

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061465.D
 Acq On : 1 Apr 2019 13:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 01:16:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	739509	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	1286254	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	1008806	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	467023	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	333302	52.76	ug/l	0.03
Spiked Amount			Recovery	=	105.52%	
35) Dibromofluoromethane	6.93	113	504045	51.28	ug/l	0.03
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	10.41	98	1183815	50.21	ug/l	0.03
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	13.55	95	479906	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	396103	50.155	ug/l	100
3) Chloromethane	1.76	50	311141	48.307	ug/l	97
4) Vinyl Chloride	1.86	62	312298	52.807	ug/l	99
5) Bromomethane	2.16	94	57787	49.276	ug/l	98
6) Chloroethane	2.28	64	109212	62.973	ug/l	96
7) Trichlorofluoromethane	2.54	101	490669	57.057	ug/l	100
8) Diethyl Ether	2.88	74	143866	51.959	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.17	101	449007	48.566	ug/l	99
10) Methyl Iodide	3.32	142	664169	47.445	ug/l	99
11) Tert butyl alcohol	4.07	59	97670	248.263	ug/l	96
12) 1,1-Dichloroethene	3.14	96	372719	46.956	ug/l	98
13) Acrolein	3.04	56	75503	252.079	ug/l	96
14) Allyl chloride	3.63	41	566576	51.176	ug/l	97
15) Acrylonitrile	4.19	53	338541	247.931	ug/l	96
16) Acetone	3.23	43	471954	290.624	ug/l	100
17) Carbon Disulfide	3.38	76	1180156	45.761	ug/l	99
18) Methyl Acetate	3.65	43	162557	47.609	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	700719	50.998	ug/l	98
20) Methylene Chloride	3.83	84	461471	50.755	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	421446	49.178	ug/l	98
22) Diisopropyl ether	5.13	45	1165317	49.740	ug/l	99
23) Vinyl Acetate	5.07	43	3106023	244.067	ug/l	99
24) 1,1-Dichloroethane	4.99	63	710770	51.623	ug/l	99
25) 2-Butanone	6.07	43	527933	258.440	ug/l	99
26) 2,2-Dichloropropane	6.03	77	574236	52.465	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	467643	49.806	ug/l	95
28) Bromochloromethane	6.45	49	283480	51.005	ug/l	# 93
29) Tetrahydrofuran	6.46	42	269018	271.703	ug/l	99
30) Chloroform	6.67	83	749575	52.688	ug/l	98
31) Cyclohexane	6.96	56	509020	46.783	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	679518	54.140	ug/l	96
36) 1,1-Dichloropropene	7.16	75	567274	50.532	ug/l	99
37) Ethyl Acetate	6.19	43	242989	50.611	ug/l	99
38) Carbon Tetrachloride	7.12	117	693537	53.763	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	618767	52.923	ug/l	96
40) Benzene	7.46	78	1432881	50.858	ug/l	98
41) Methacrylonitrile	6.45	41	302798	53.939	ug/l #	97
42) 1,2-Dichloroethane	7.58	62	428630	50.860	ug/l	98
43) Isopropyl Acetate	9.24	43	371240	53.144	ug/l #	99
44) Trichloroethene	8.54	130	529946	50.543	ug/l	99
45) 1,2-Dichloropropane	8.95	63	379848	53.169	ug/l	97
46) Dibromomethane	9.07	93	251041	52.207	ug/l	95
47) Bromodichloromethane	9.38	83	573374	53.126	ug/l	98
48) Methyl methacrylate	9.12	41	207865	53.917	ug/l	98
49) 1,4-Dioxane	9.08	88	45197	1062.883	ug/l	92
51) 4-Methyl-2-Pentanone	10.31	43	1112583	261.787	ug/l	98
52) Toluene	10.51	92	877910	51.075	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	543460	55.423	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	613562	51.387	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	293653	48.851	ug/l	99
56) Ethyl methacrylate	11.04	69	298361	46.203	ug/l	95
57) 1,3-Dichloropropane	11.41	76	431383	48.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	763567	242.800	ug/l	95
59) 2-Hexanone	11.54	43	819821	266.243	ug/l	97
60) Dibromochloromethane	11.68	129	459577	49.593	ug/l	99
61) 1,2-Dibromoethane	11.80	107	336452	48.336	ug/l	96
64) Tetrachloroethene	11.26	164	382185	48.272	ug/l	98
65) Chlorobenzene	12.40	112	1065840	51.698	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	424757	53.211	ug/l	98
67) Ethyl Benzene	12.52	91	1644701	52.265	ug/l	98
68) m/p-Xylenes	12.67	106	1225584	102.814	ug/l	97
69) o-Xylene	13.05	106	546847	47.273	ug/l	100
70) Styrene	13.07	104	995264	49.356	ug/l	96
71) Bromoform	13.24	173	284500	56.223	ug/l	99
73) Isopropylbenzene	13.41	105	1643201	50.553	ug/l	99
74) N-amyl acetate	13.27	43	454377	50.181	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	315915	46.073	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	313736	46.505	ug/l	99
77) Bromobenzene	13.67	156	428683	44.487	ug/l	88
78) n-propylbenzene	13.78	91	1894465	47.626	ug/l	98
79) 2-Chlorotoluene	13.84	91	1072960	49.678	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1343437	53.269	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	114847	55.834	ug/l	96
82) 4-Chlorotoluene	13.95	91	1173174	49.955	ug/l	94
83) tert-Butylbenzene	14.19	119	1570169	49.819	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1325356	48.542	ug/l	96
85) sec-Butylbenzene	14.37	105	1583096	47.281	ug/l	98
86) p-Isopropyltoluene	14.49	119	1438638	50.812	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	806880	49.448	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	799636	50.250	ug/l	98
89) n-Butylbenzene	14.80	91	1292736	49.746	ug/l	97
90) Hexachloroethane	15.01	117	411599	51.459	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	652895	48.779	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.39	75	40054	49.806	ug/l	60

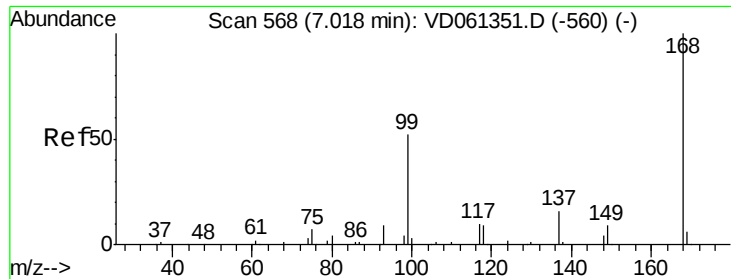
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	285479	46.821	ug/l	96
94) Hexachlorobutadiene	16.03	225	224396	47.098	ug/l	96
95) Naphthalene	16.12	128	410770	44.199	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	117429	43.767	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.04 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

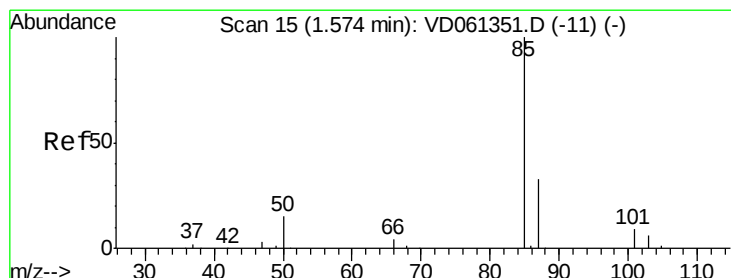
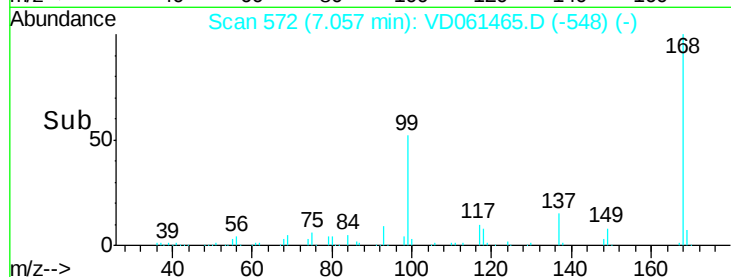
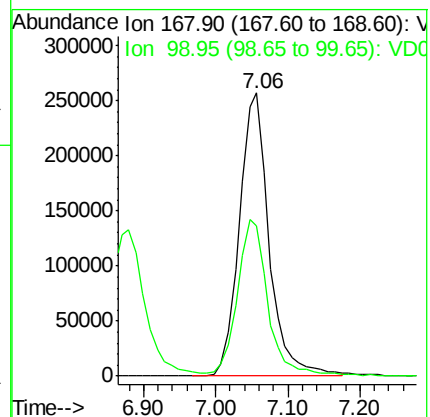
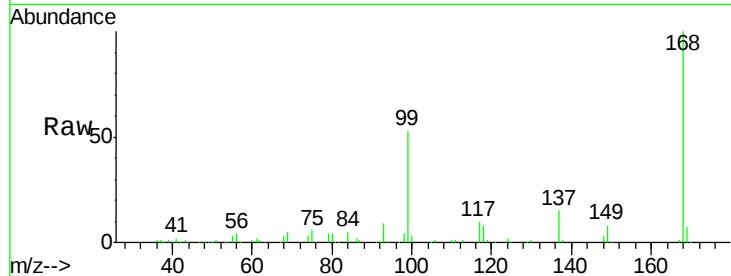
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 739509

Ion Ratio Lower Upper

168 100

99 53.2 43.1 64.7



#2

Dichlorodifluoromethane

Concen: 50.155 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061465.D

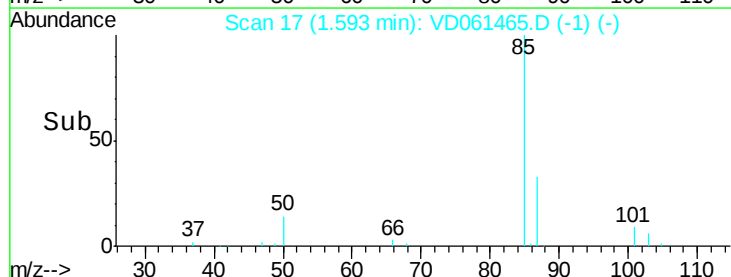
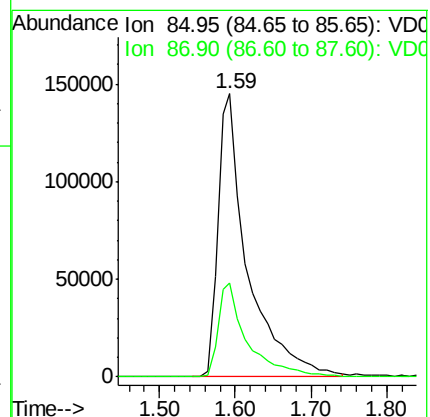
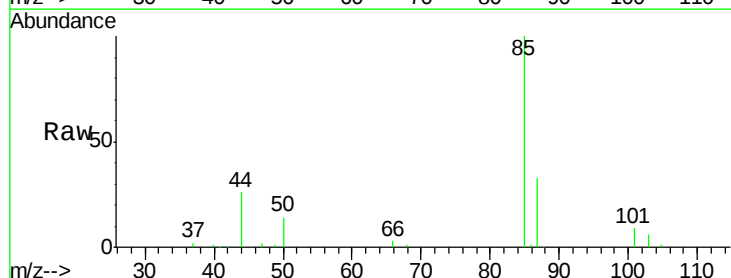
Acq: 1 Apr 2019 13:17

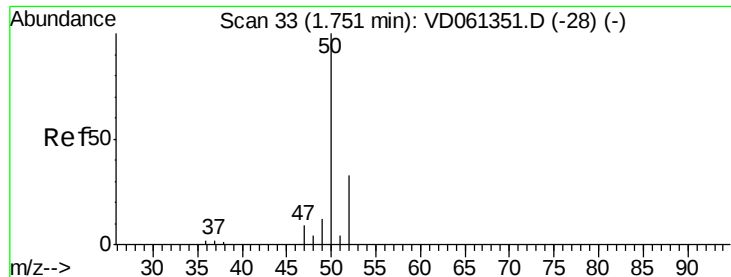
Tgt Ion: 85 Resp: 396103

Ion Ratio Lower Upper

85 100

87 33.0 16.6 49.7





#3

Chloromethane

Concen: 48.307 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

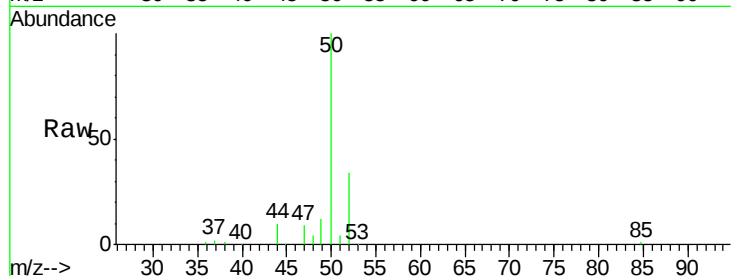
ClientSampled :

Tot Ion: 50 Resp: 311141

Ion Ratio Lower Upper

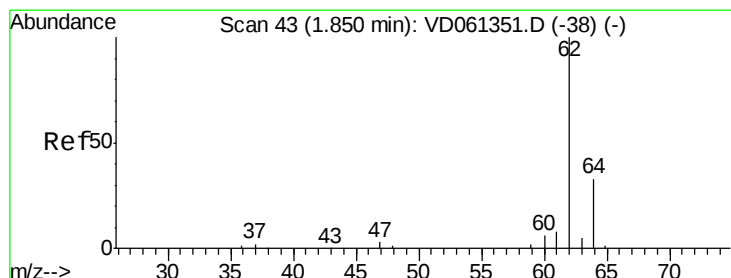
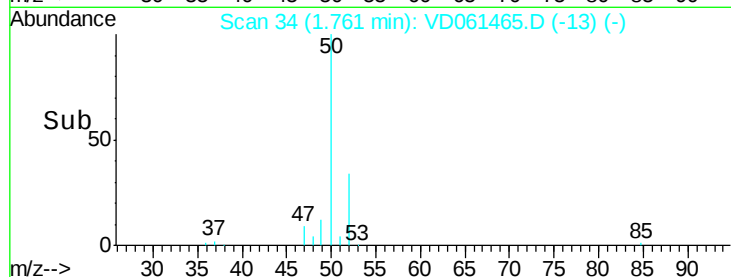
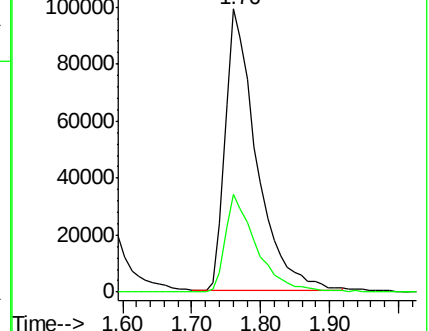
50 100

52 34.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.807 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061465.D

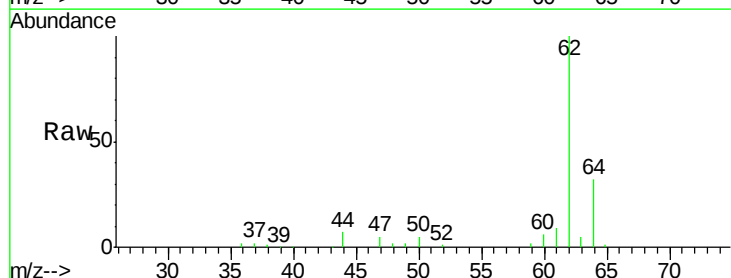
Acq: 1 Apr 2019 13:17

Tgt Ion: 62 Resp: 312298

Ion Ratio Lower Upper

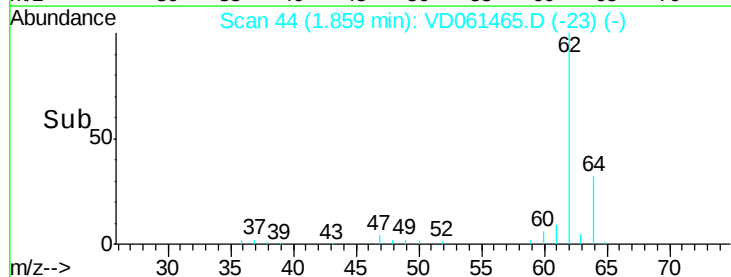
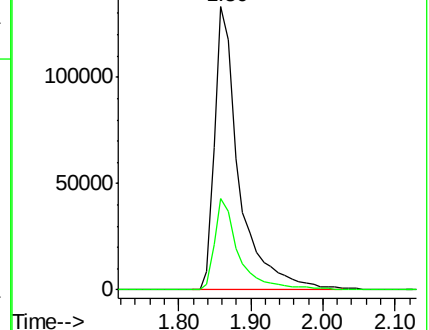
62 100

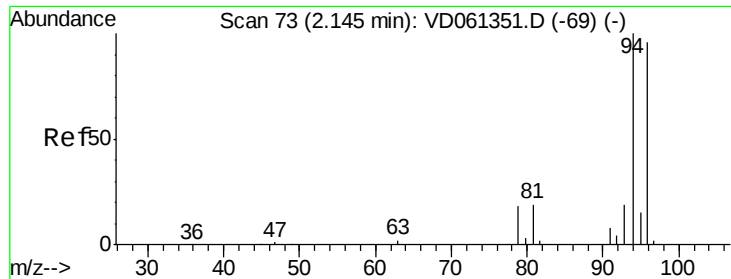
64 32.4 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 49.276 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :

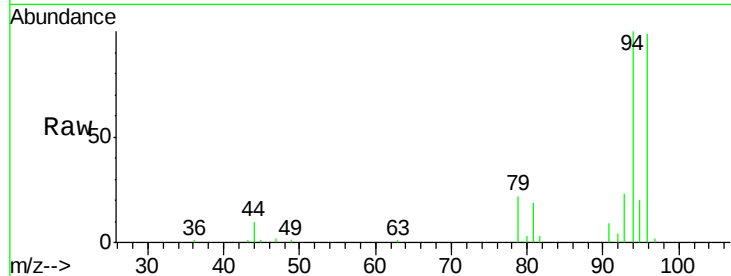
Tot Ion: 94 Resp: 57787

Ion Ratio Lower Upper

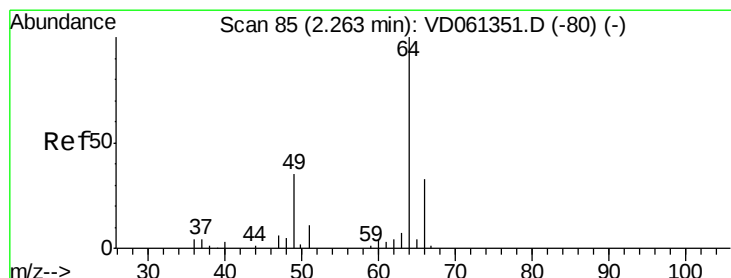
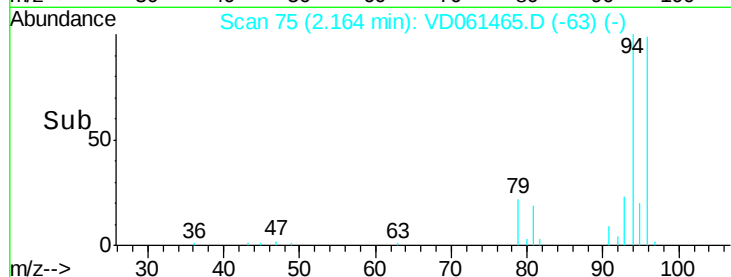
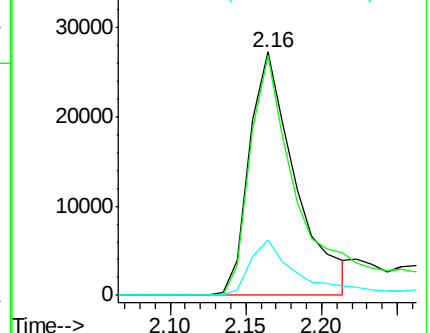
94 100

96 98.5 78.3 117.5

93 22.6 15.6 23.4



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 62.973 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.02 min

Lab File: VD061465.D

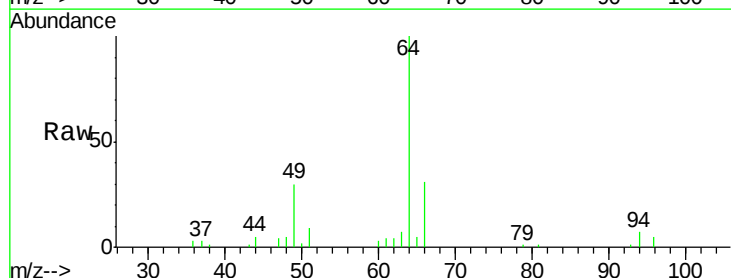
Acq: 1 Apr 2019 13:17

Tgt Ion: 64 Resp: 109212

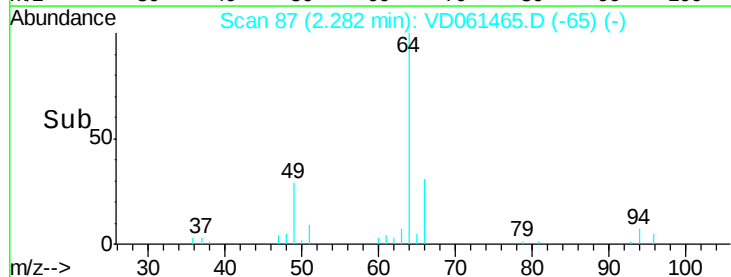
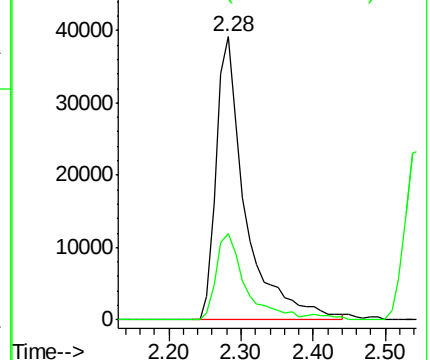
Ion Ratio Lower Upper

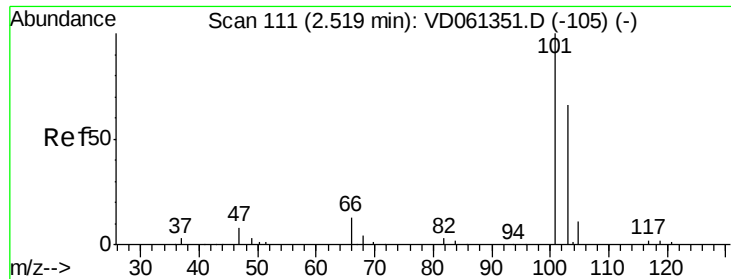
64 100

66 30.7 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



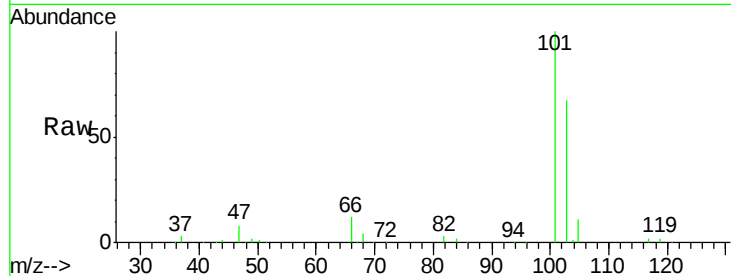


#7

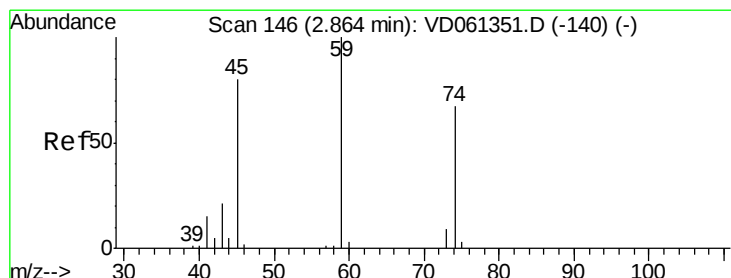
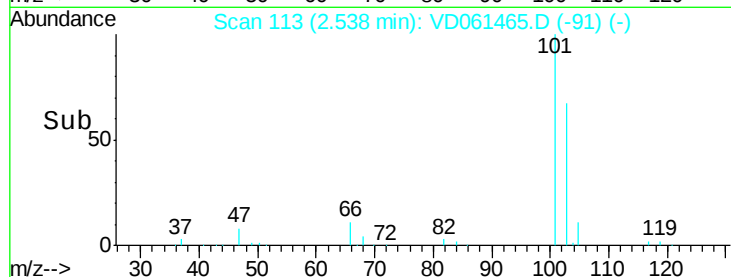
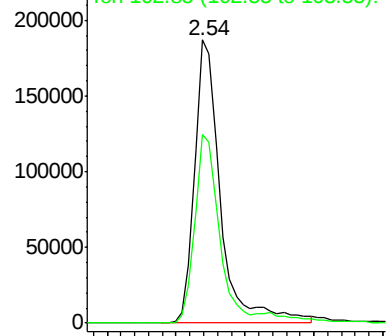
Trichlorofluoromethane
 Concen: 57.057 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 490669
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.1 79.7



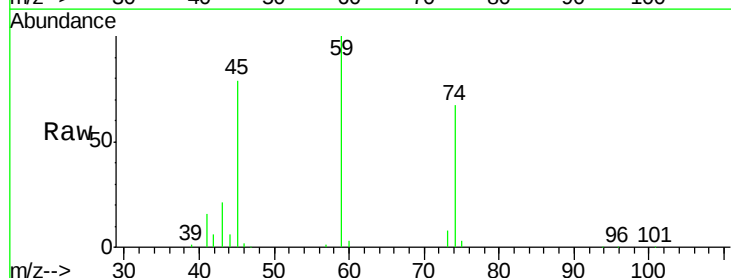
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



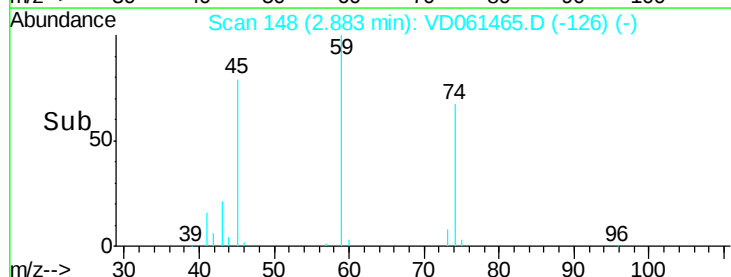
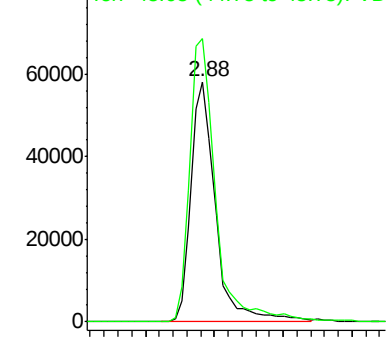
#8

Diethyl Ether
 Concen: 51.959 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion: 74 Resp: 143866
 Ion Ratio Lower Upper
 74 100
 45 117.9 59.7 179.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.566 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

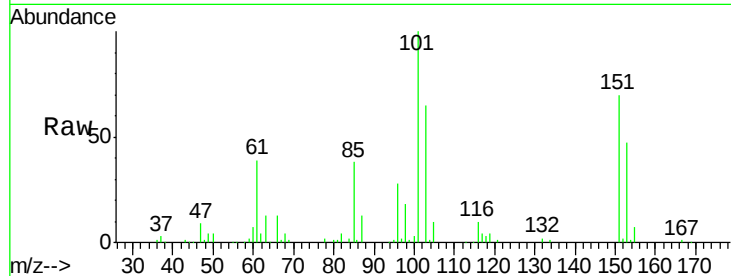
Tot Ion:101 Resp: 449007

Ion Ratio Lower Upper

101 100

85 38.1 29.4 44.0

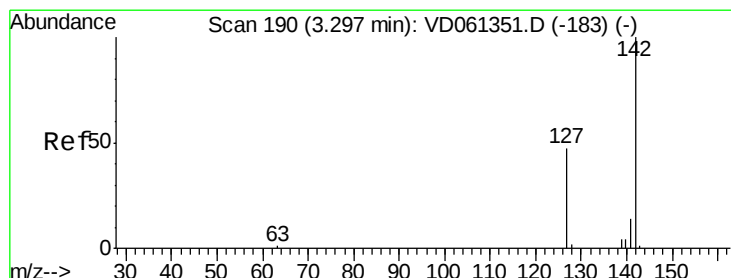
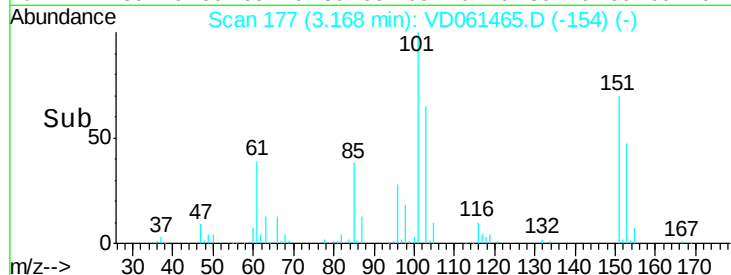
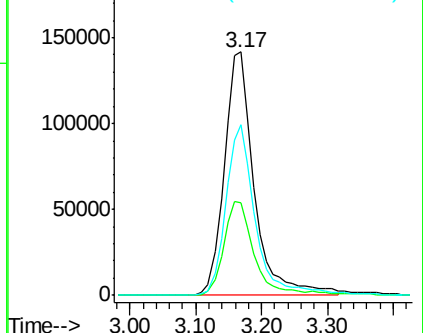
151 70.3 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 47.445 ug/l

RT: 3.32 min Scan# 192

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

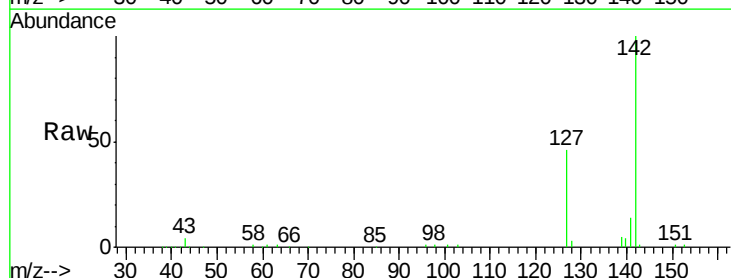
Tgt Ion:142 Resp: 664169

Ion Ratio Lower Upper

142 100

127 46.2 37.7 56.5

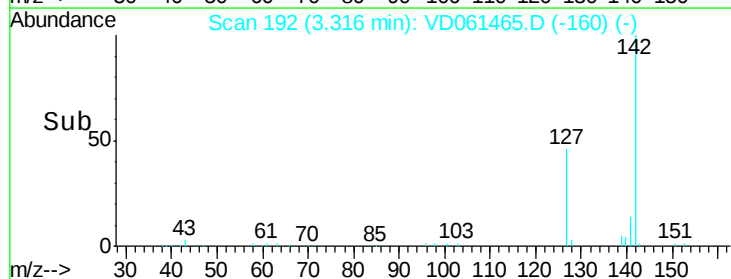
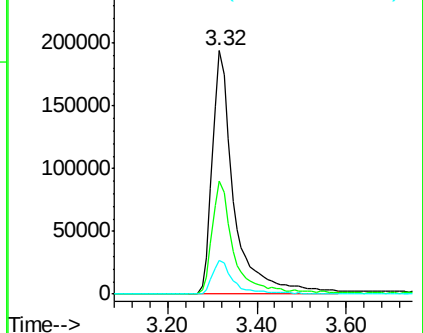
141 13.9 11.5 17.3

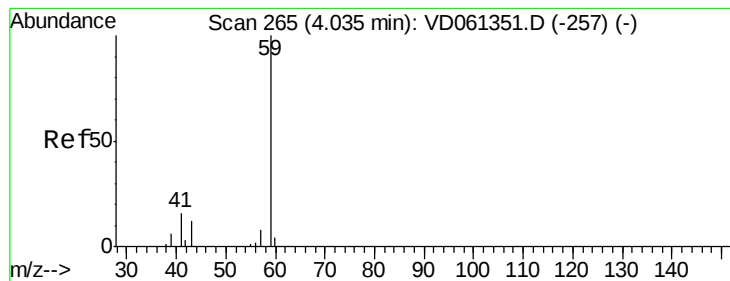


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



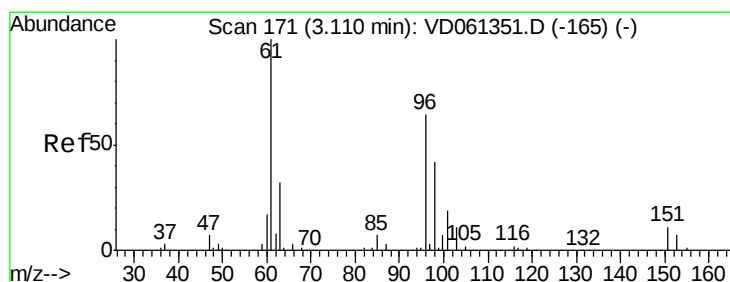
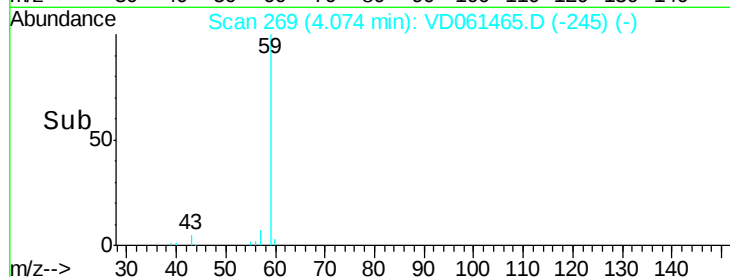
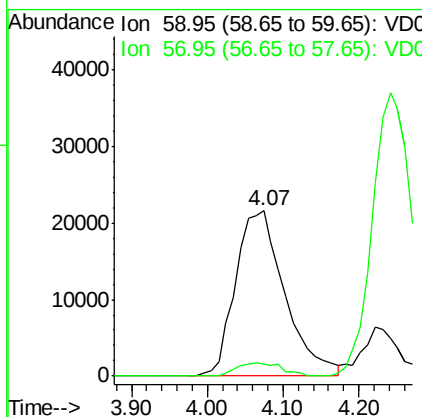
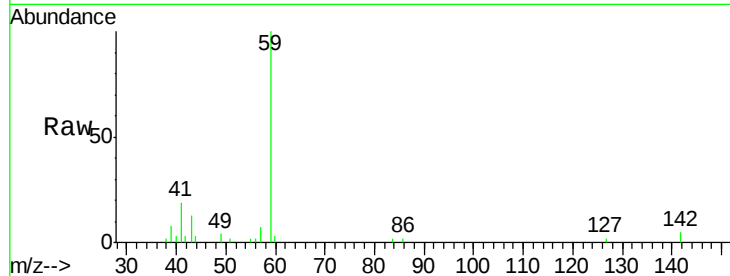


#11

Tert butyl alcohol
Concen: 248.263 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.04 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :

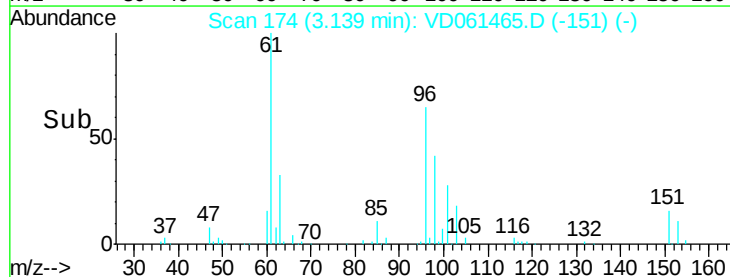
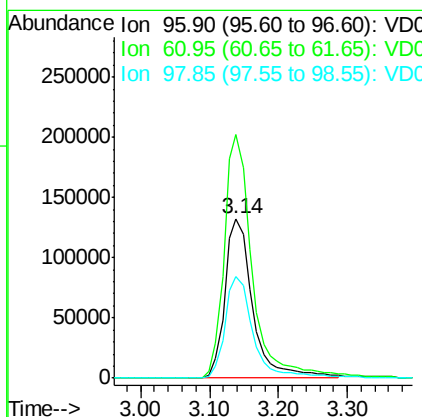
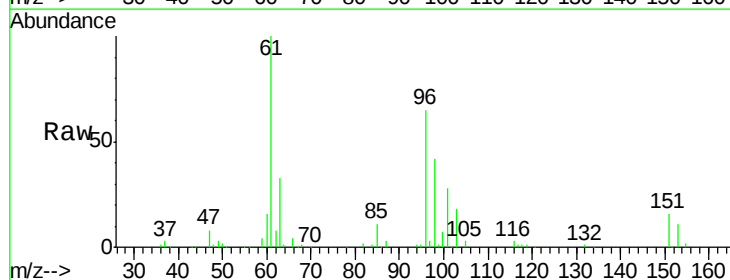
Tot Ion: 59 Resp: 97670
Ion Ratio Lower Upper
59 100
57 7.0 6.7 10.1

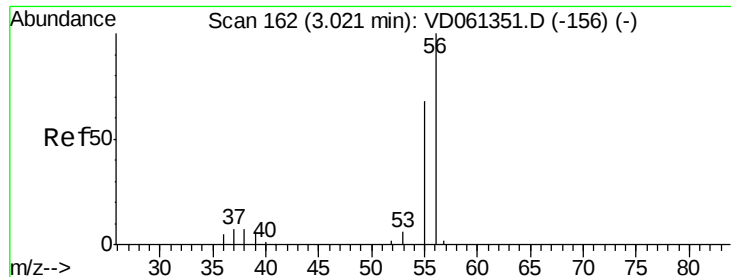


#12

1,1-Dichloroethene
Concen: 46.956 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 96 Resp: 372719
Ion Ratio Lower Upper
96 100
61 153.0 124.9 187.3
98 63.6 52.5 78.7

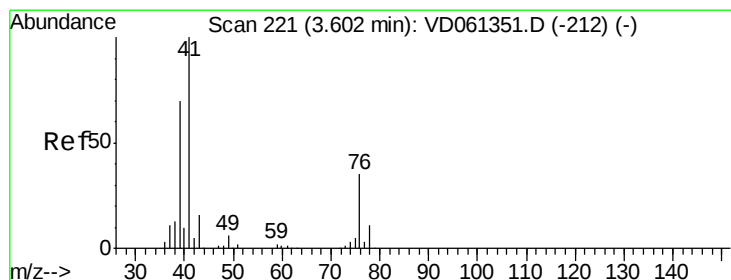
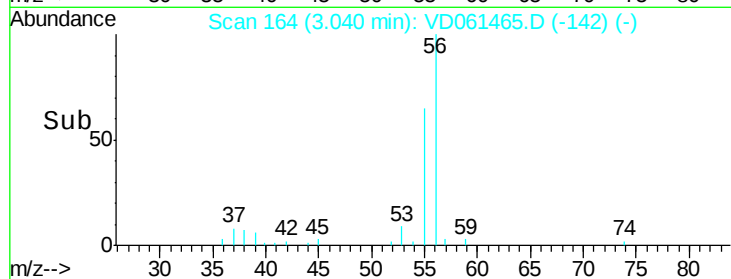
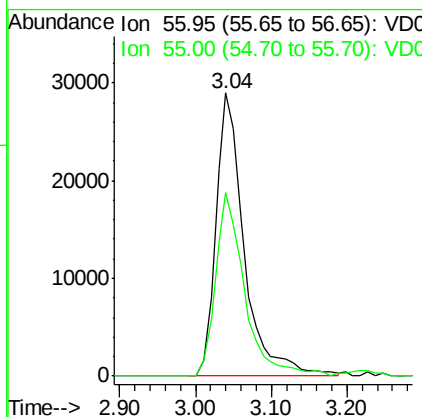
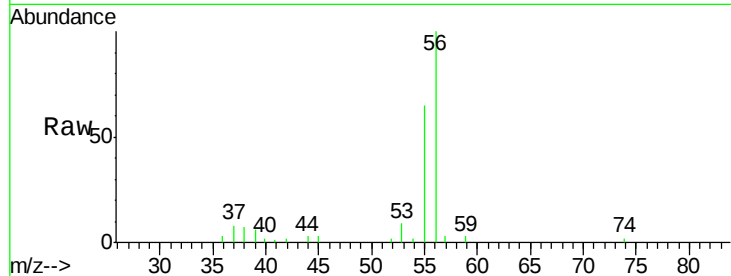




#13
Acrolein
Concen: 252.079 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

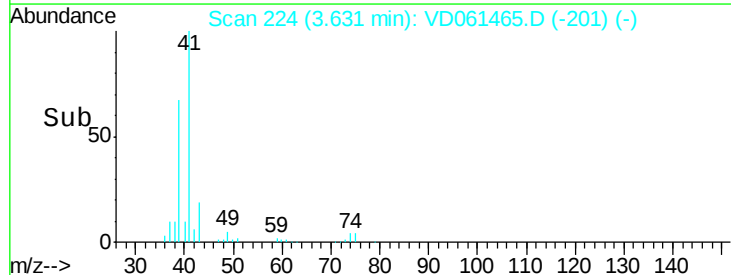
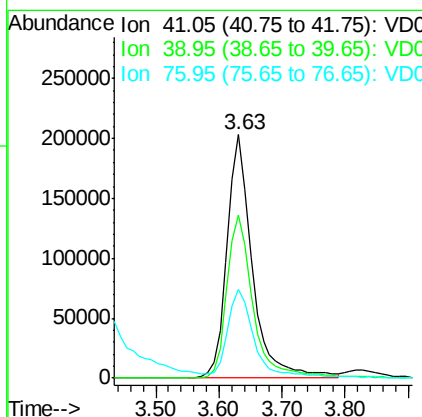
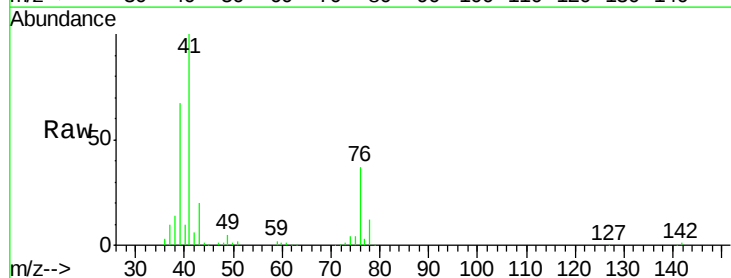
Instrument :
MSVOA_D
ClientSampleId :

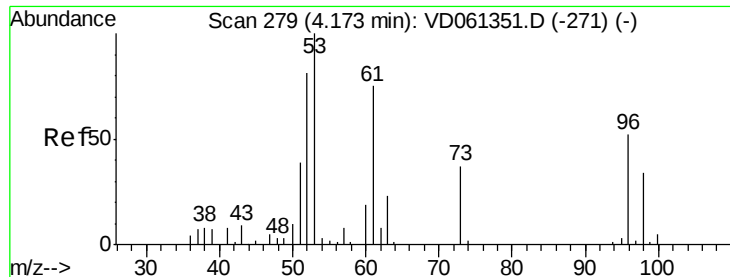
Tot Ion: 56 Resp: 75503
Ion Ratio Lower Upper
56 100
55 64.9 54.6 82.0



#14
Allyl chloride
Concen: 51.176 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 41 Resp: 566576
Ion Ratio Lower Upper
41 100
39 67.2 55.6 83.4
76 36.6 31.0 46.6

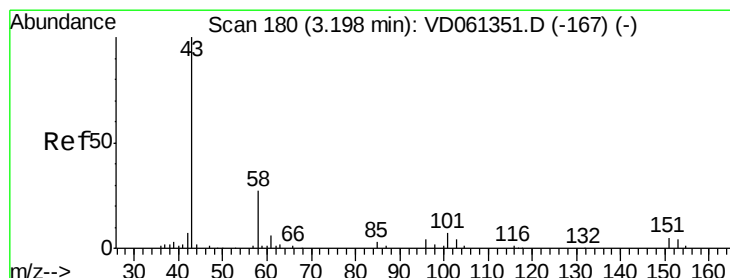
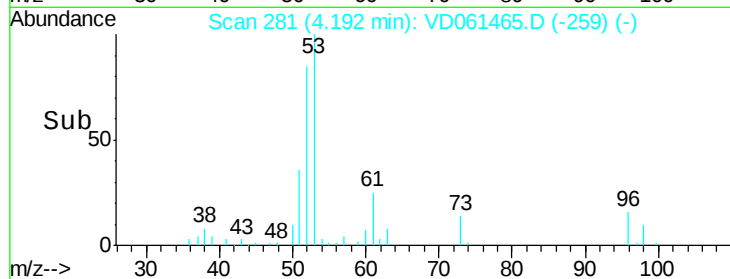
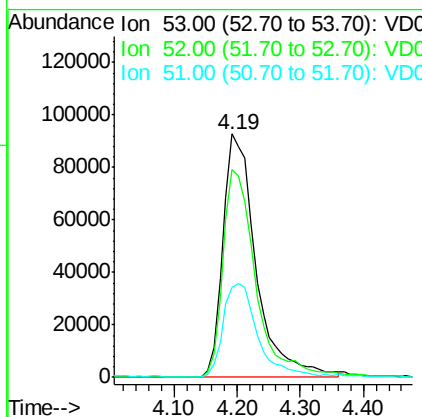
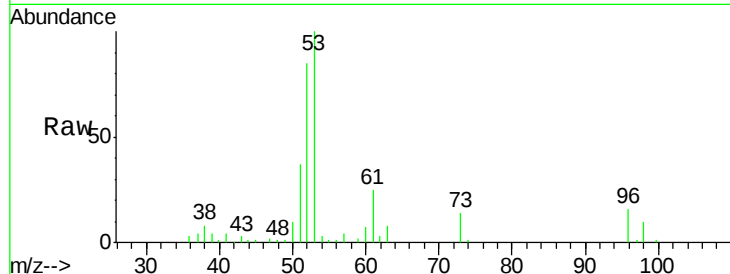




#15
 Acrylonitrile
 Concen: 247.931 ug/l
 RT: 4.19 min Scan# 281
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

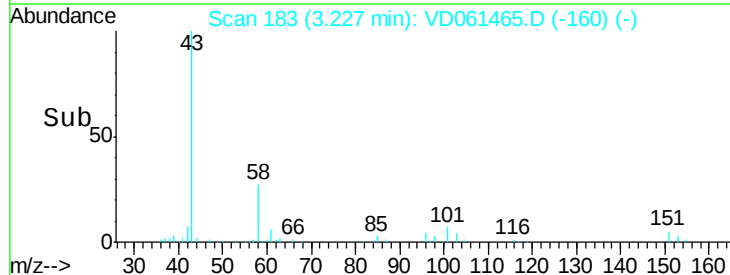
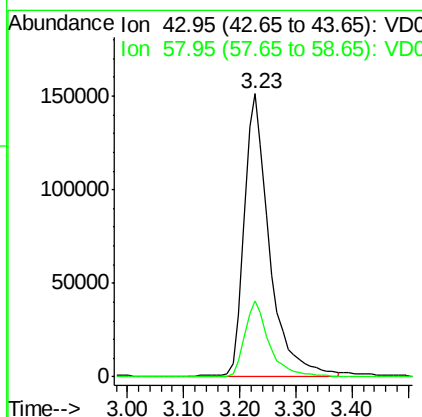
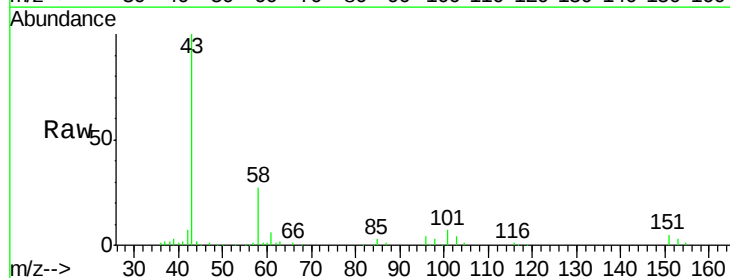
Instrument :
 MSVOA_D
 ClientSampleID :

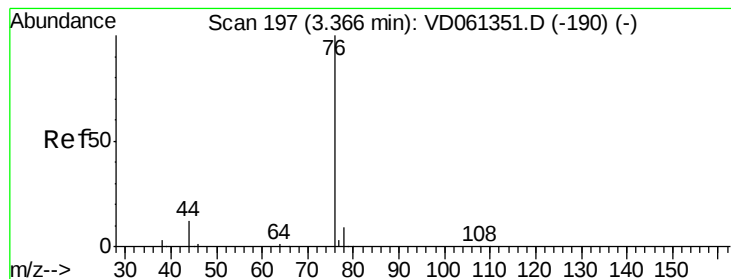
Tot Ion: 53 Resp: 338541
 Ion Ratio Lower Upper
 53 100
 52 85.3 64.8 97.2
 51 37.1 31.4 47.2



#16
 Acetone
 Concen: 290.624 ug/l
 RT: 3.23 min Scan# 183
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion: 43 Resp: 471954
 Ion Ratio Lower Upper
 43 100
 58 26.9 21.5 32.3





#17

Carbon Disulfide

Concen: 45.761 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

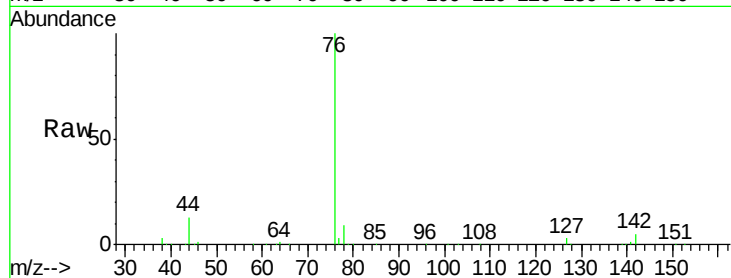
ClientSampled :

Tot Ion: 76 Resp: 1180156

Ion Ratio Lower Upper

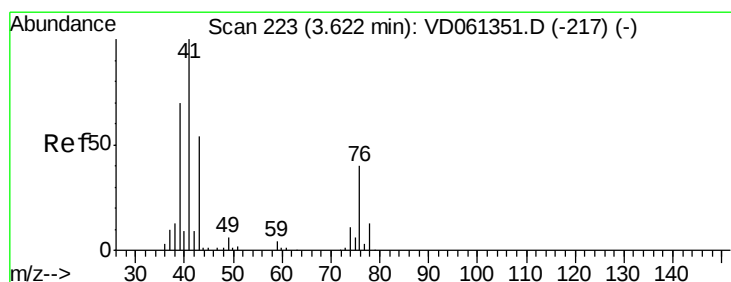
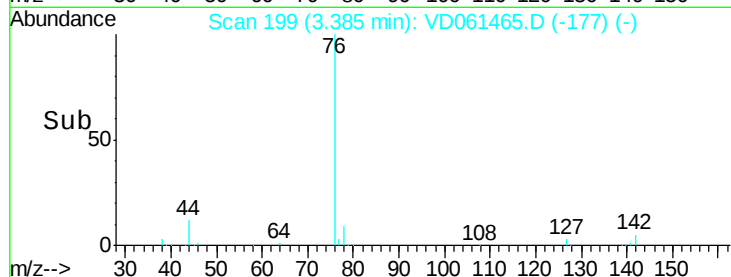
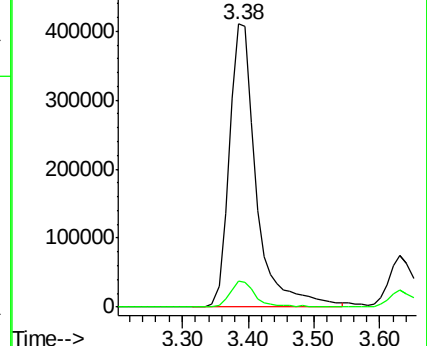
76 100

78 9.1 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.609 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD061465.D

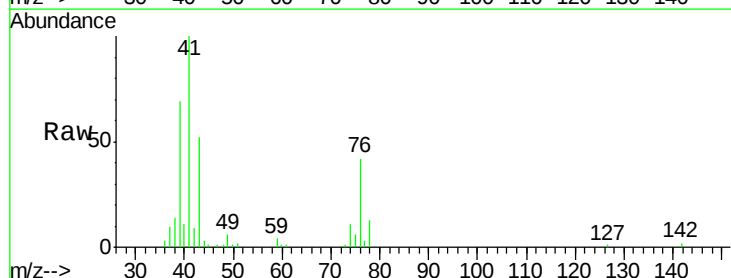
Acq: 1 Apr 2019 13:17

Tgt Ion: 43 Resp: 162557

Ion Ratio Lower Upper

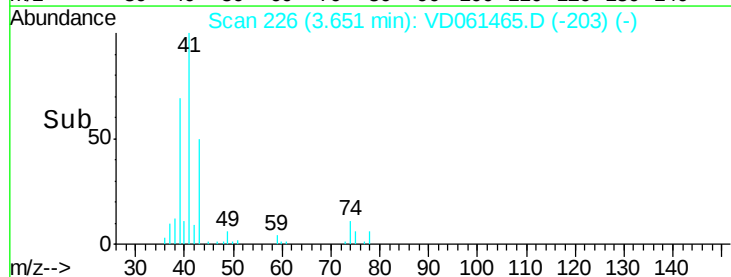
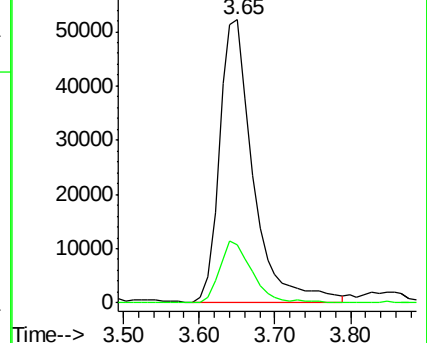
43 100

74 20.7 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

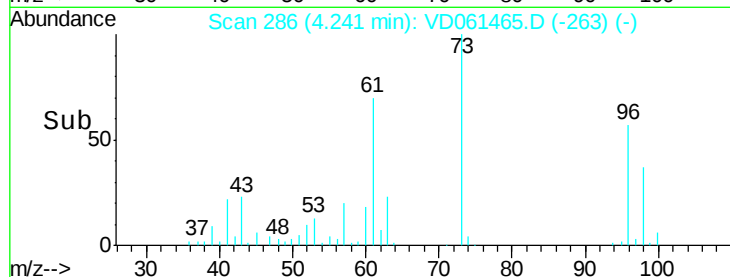
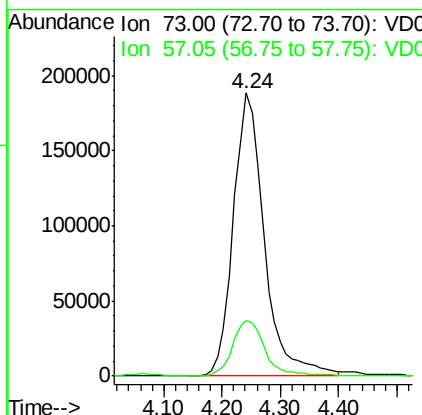
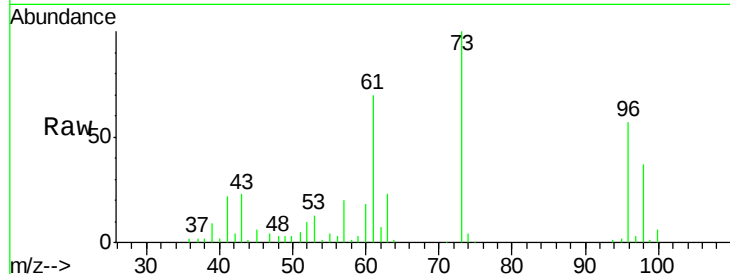




#19
Methyl tert-butyl Ether
Concen: 50.998 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

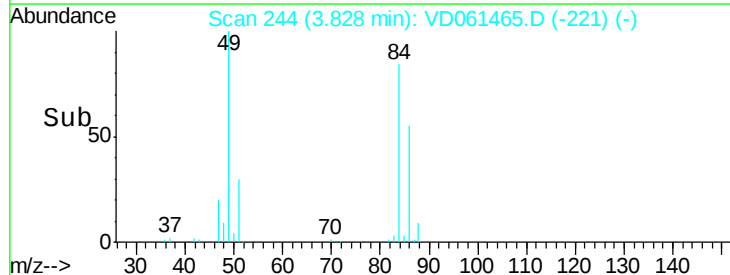
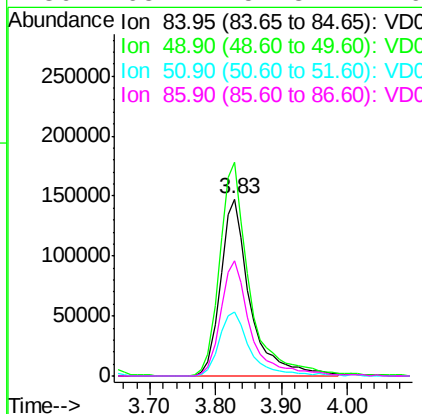
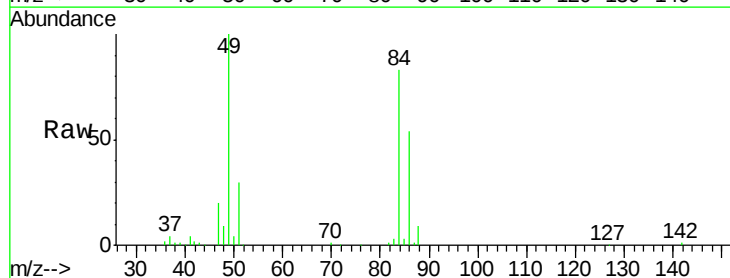
Instrument :
MSVOA_D
ClientSampleId :

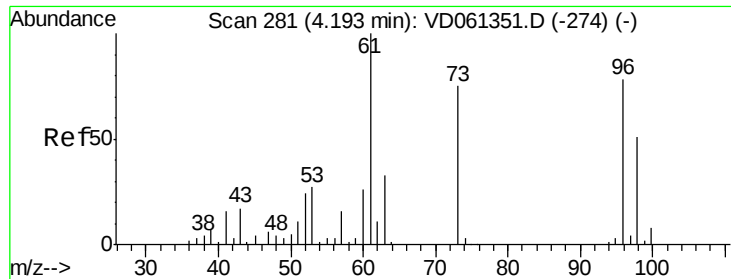
Tot Ion: 73 Resp: 700719
Ion Ratio Lower Upper
73 100
57 19.6 16.4 24.6



#20
Methylene Chloride
Concen: 50.755 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 84 Resp: 461471
Ion Ratio Lower Upper
84 100
49 120.7 91.8 137.8
51 36.1 29.8 44.8
86 65.4 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.178 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.04 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

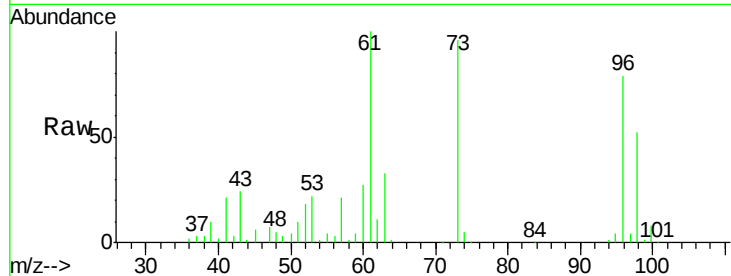
Tot Ion: 96 Resp: 421446

Ion Ratio Lower Upper

96 100

61 125.8 102.7 154.1

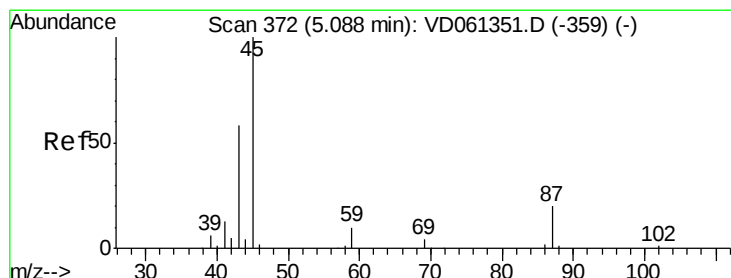
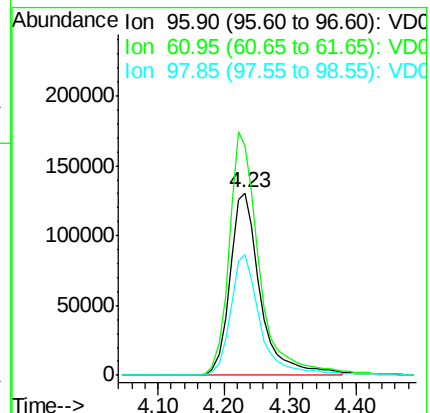
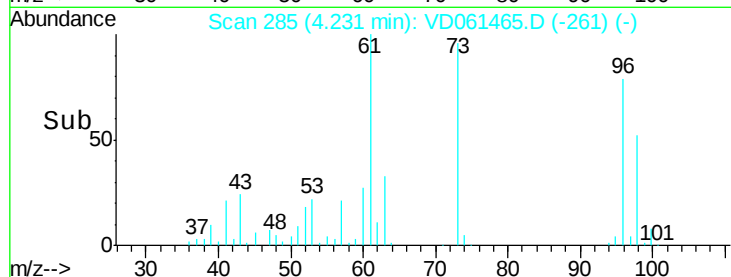
98 66.0 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.740 ug/l

RT: 5.13 min Scan# 376

Delta R.T. 0.04 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tgt Ion: 45 Resp: 1165317

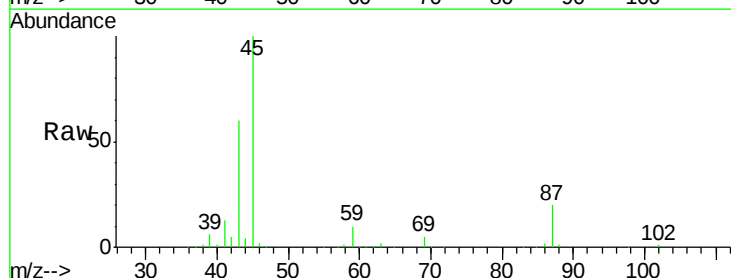
Ion Ratio Lower Upper

45 100

43 60.1 47.4 71.2

87 20.0 16.3 24.5

59 10.1 8.4 12.6

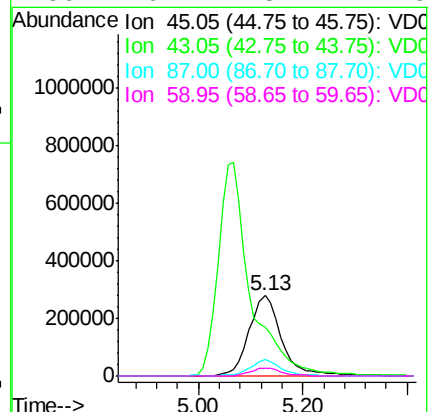
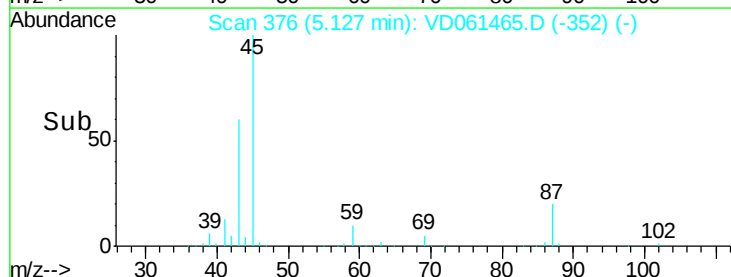


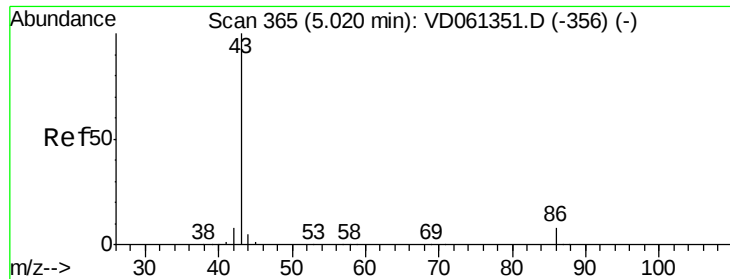
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

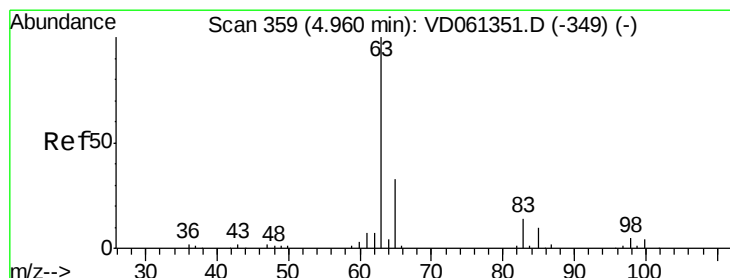
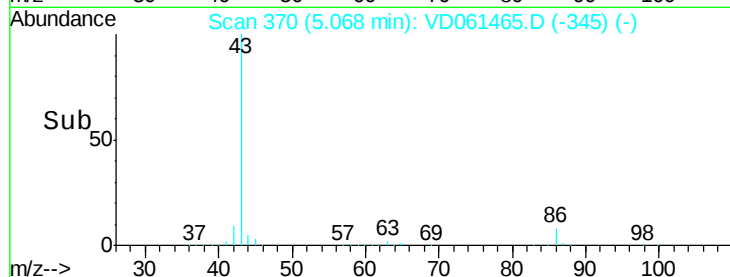
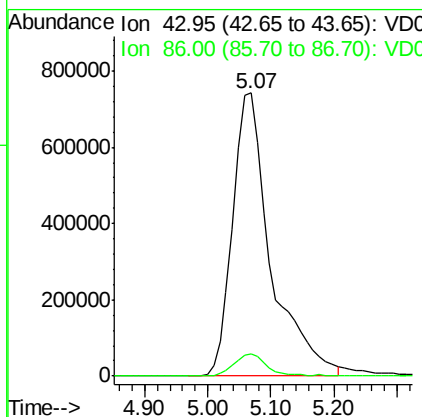
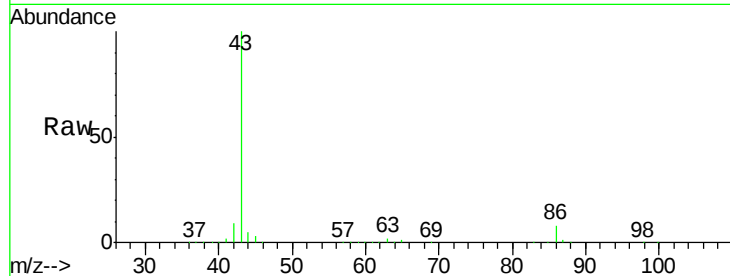




#23
 Vinyl Acetate
 Concen: 244.067 ug/l
 RT: 5.07 min Scan# 370
 Delta R.T. 0.05 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

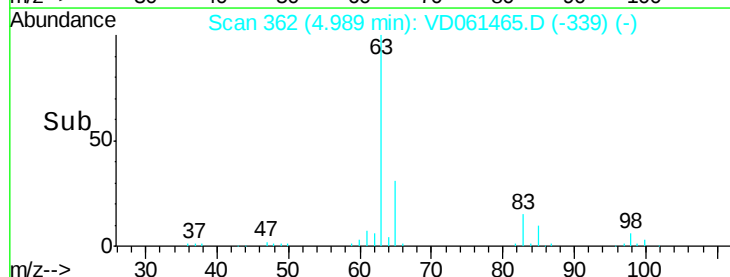
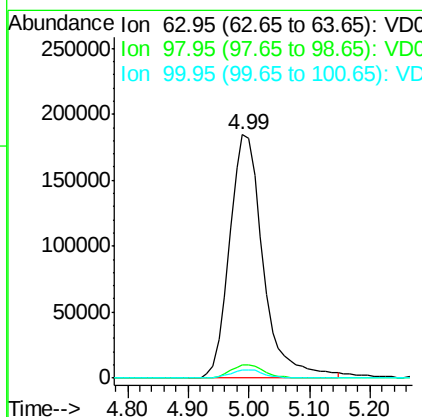
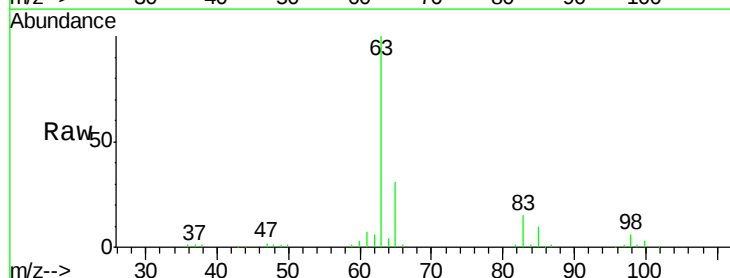
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 43 Resp: 3106023
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 51.623 ug/l
 RT: 4.99 min Scan# 362
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion: 63 Resp: 710770
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.6 8.0
 100 3.3 1.8 5.3





#25

2-Butanone

Concen: 258.440 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.04 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

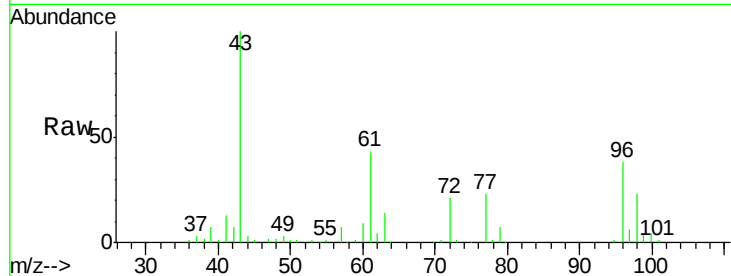
ClientSampleId :

Tot Ion: 43 Resp: 527933

Ion Ratio Lower Upper

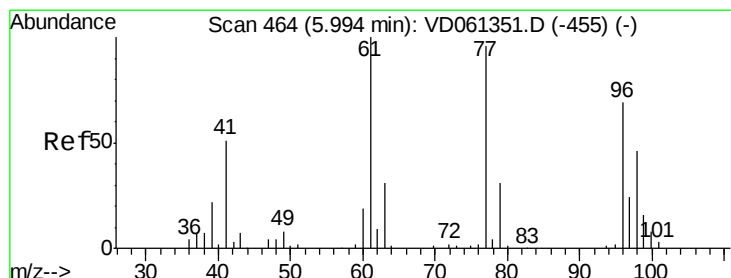
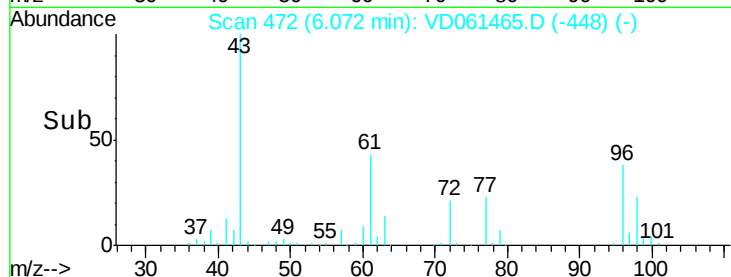
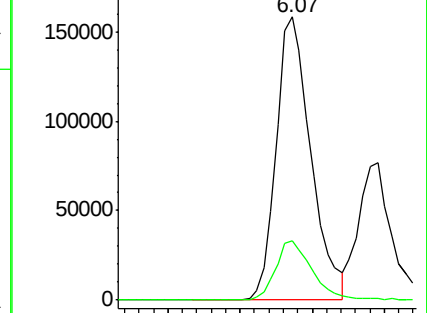
43 100

72 21.2 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.465 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.04 min

Lab File: VD061465.D

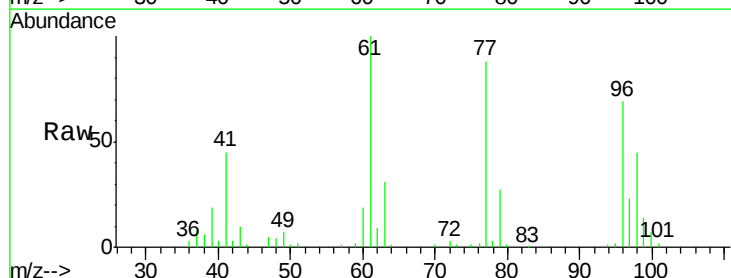
Acq: 1 Apr 2019 13:17

Tgt Ion: 77 Resp: 574236

Ion Ratio Lower Upper

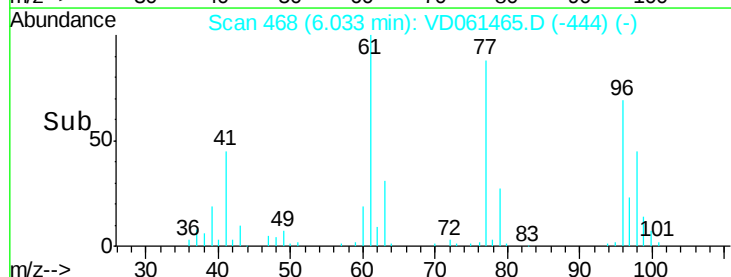
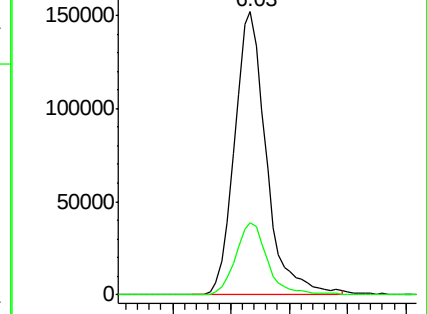
77 100

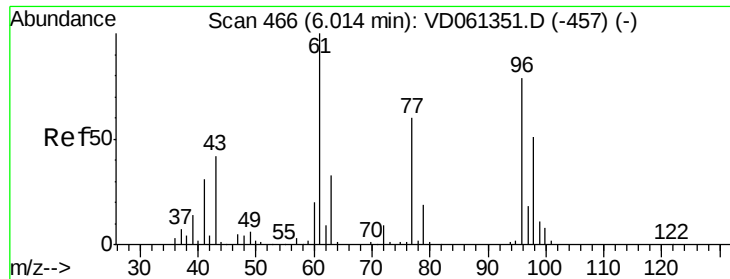
97 25.7 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



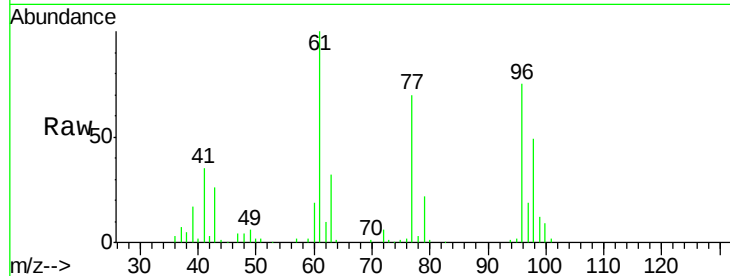


#27

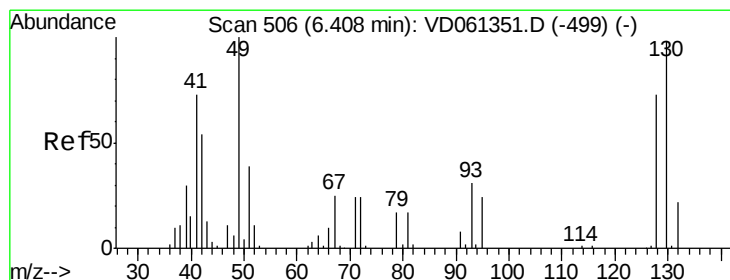
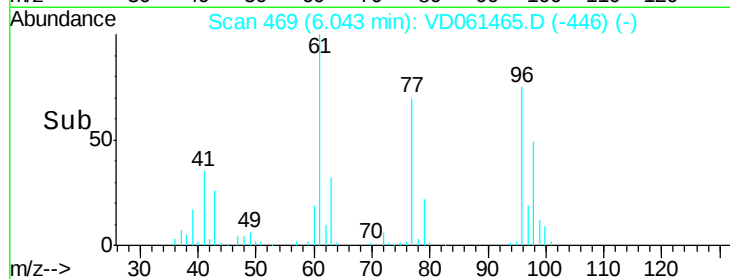
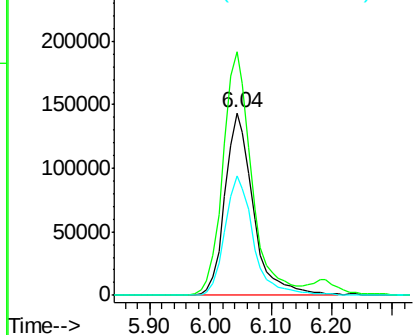
cis-1,2-Dichloroethene
Concen: 49.806 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 467643
Ion Ratio Lower Upper
96 100
61 133.5 0.0 251.6
98 65.6 0.0 129.2



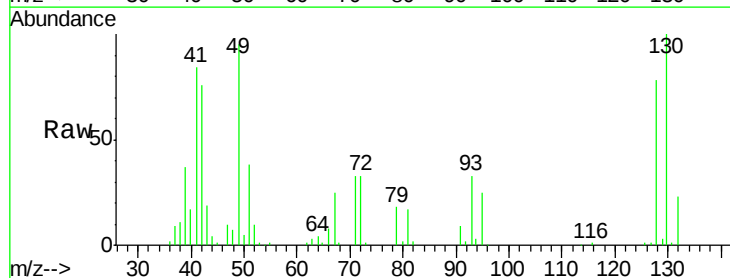
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



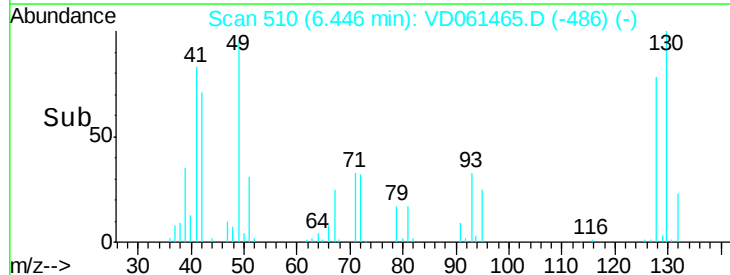
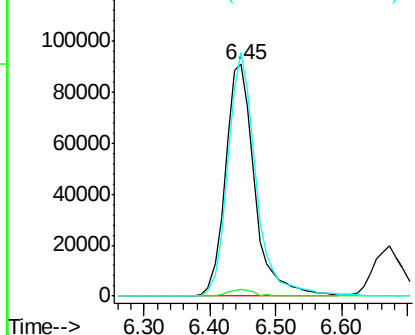
#28

Bromochloromethane
Concen: 51.005 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.04 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 49 Resp: 283480
Ion Ratio Lower Upper
49 100
129 2.8 0.0 0.0#
130 105.0 78.4 117.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

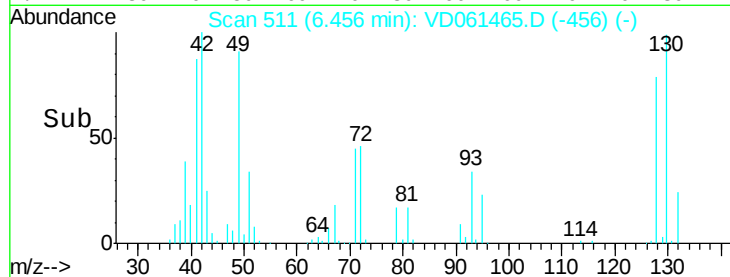
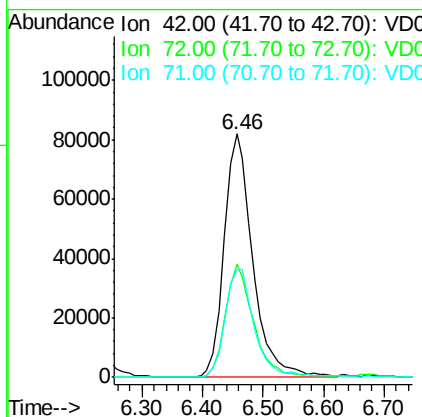
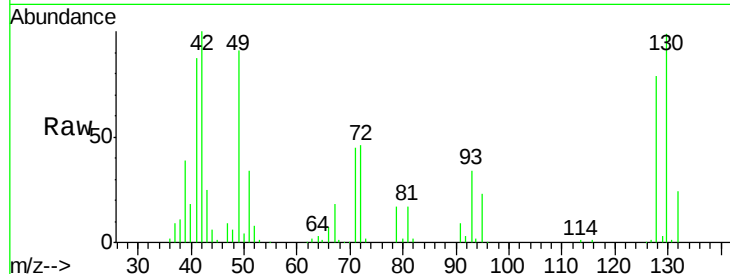




#29
Tetrahydrofuran
Concen: 271.703 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

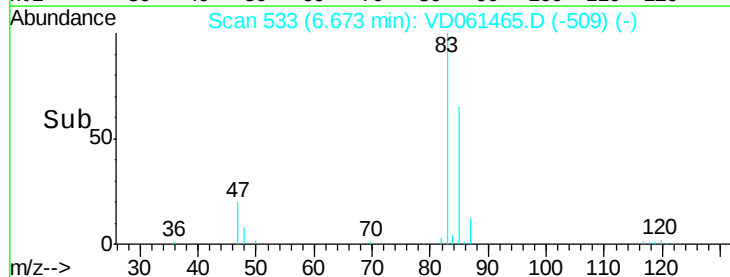
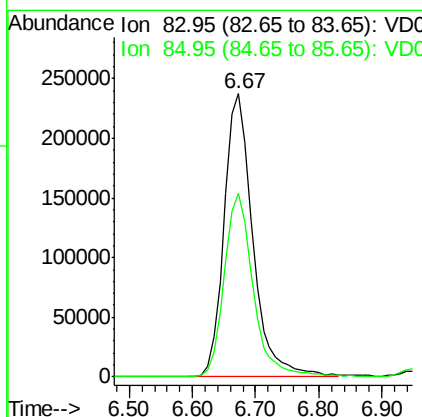
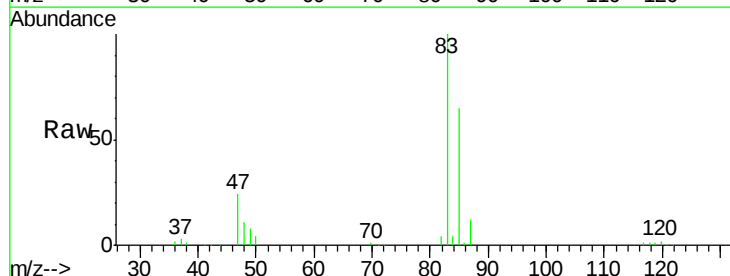
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 269018
Ion Ratio Lower Upper
42 100
72 45.8 37.4 56.0
71 45.5 36.7 55.1



#30
Chloroform
Concen: 52.688 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.04 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 83 Resp: 749575
Ion Ratio Lower Upper
83 100
85 64.9 53.0 79.4





#31

Cyclohexane

Concen: 46.783 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :

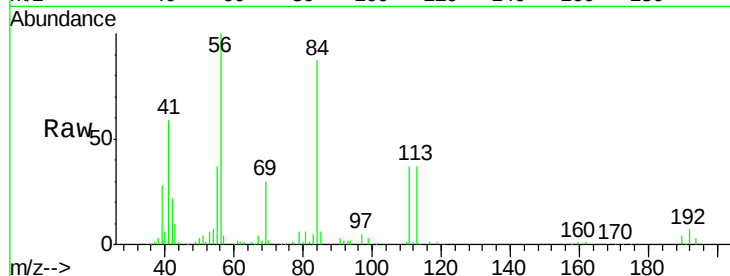
Tot Ion: 56 Resp: 509020

Ion Ratio Lower Upper

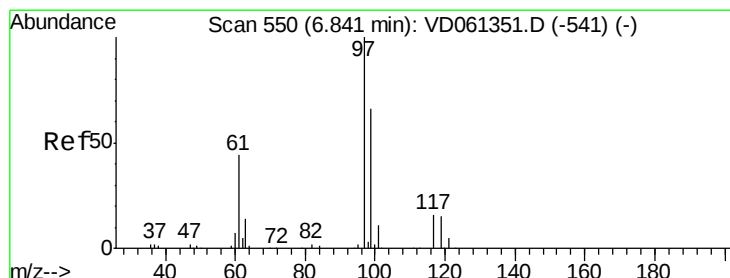
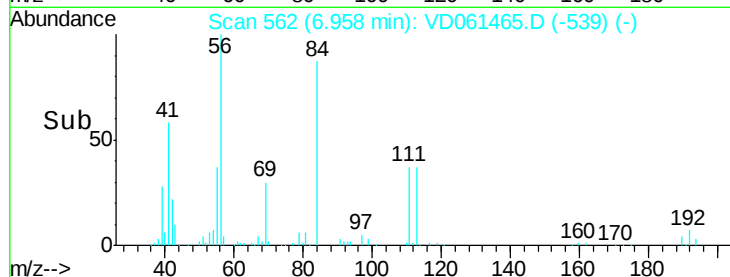
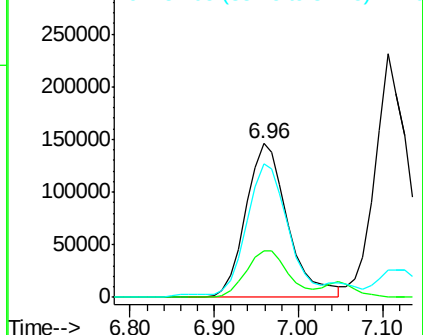
56 100

69 30.4 25.7 38.5

84 87.2 70.6 105.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 54.140 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.04 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

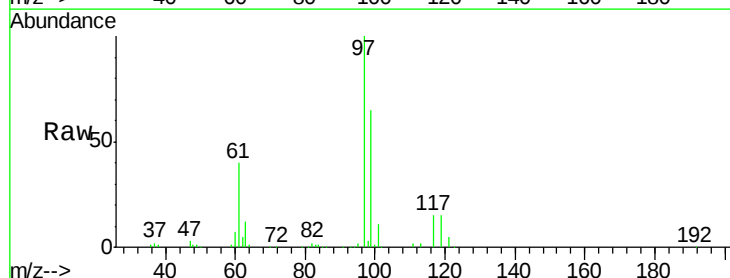
Tgt Ion: 97 Resp: 679518

Ion Ratio Lower Upper

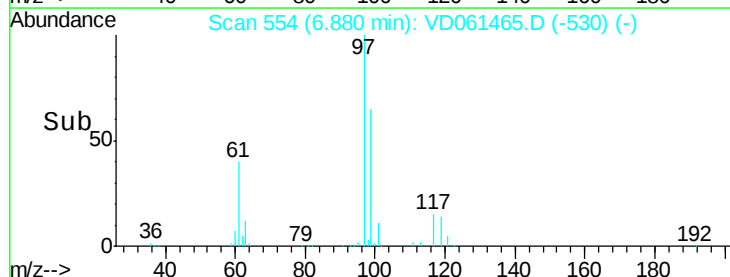
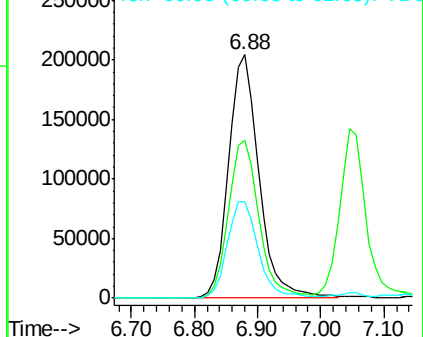
97 100

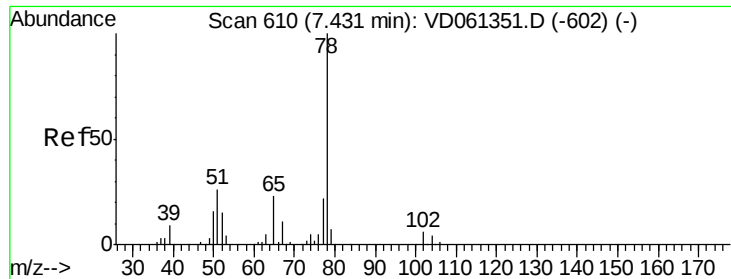
99 64.7 53.1 79.7

61 39.9 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.140 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

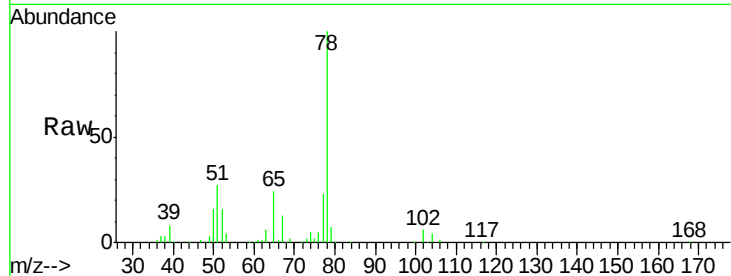
ClientSampled :

Tot Ion: 65 Resp: 333302

Ion Ratio Lower Upper

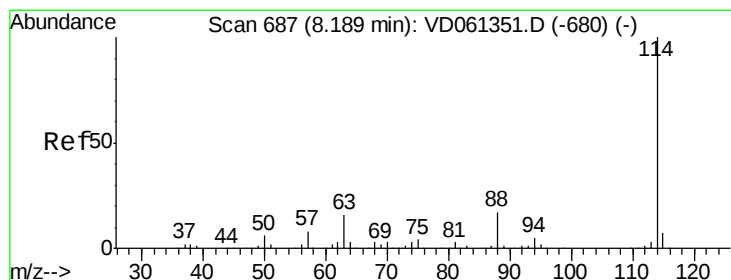
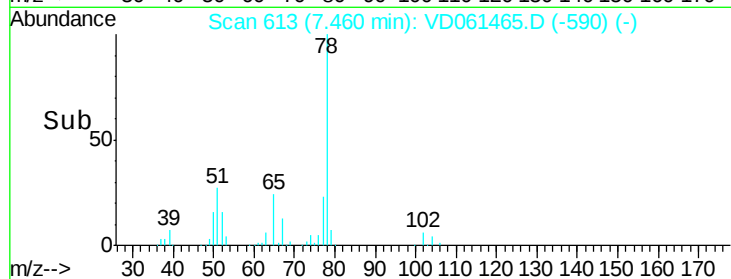
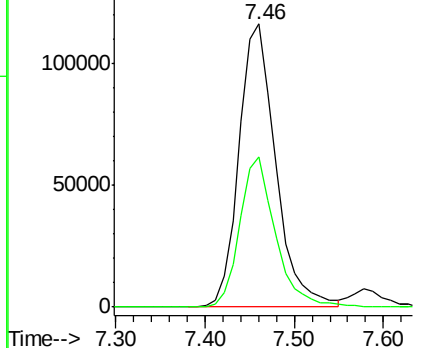
65 100

67 53.0 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

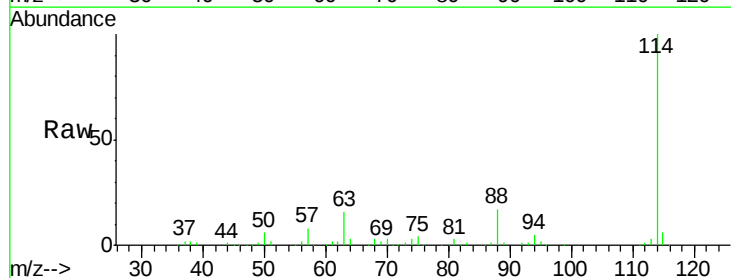
Tgt Ion:114 Resp: 1286254

Ion Ratio Lower Upper

114 100

63 15.9 0.0 31.6

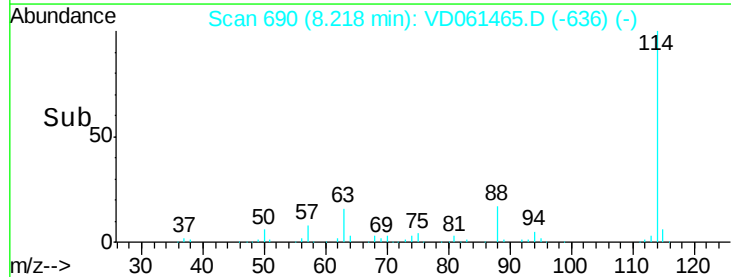
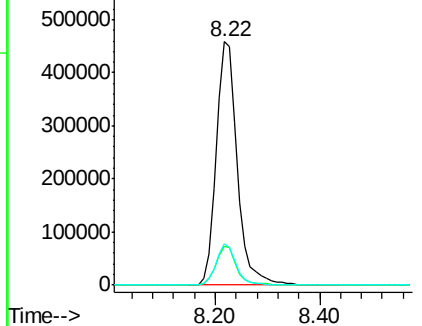
88 17.2 0.0 33.4

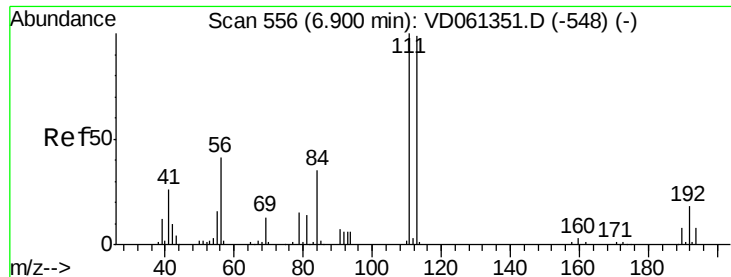


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :

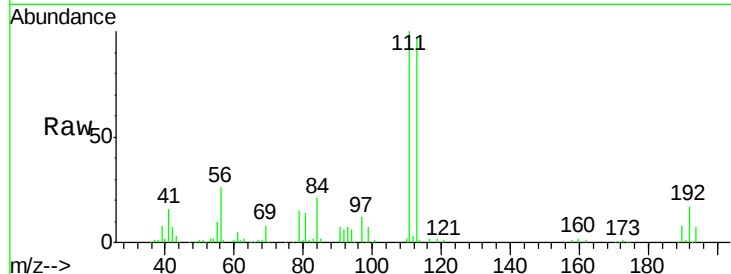
Tot Ion:113 Resp: 504045

Ion Ratio Lower Upper

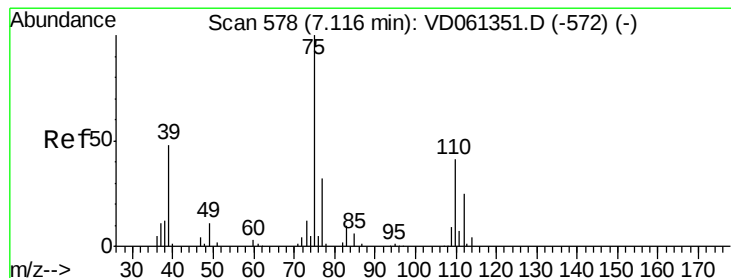
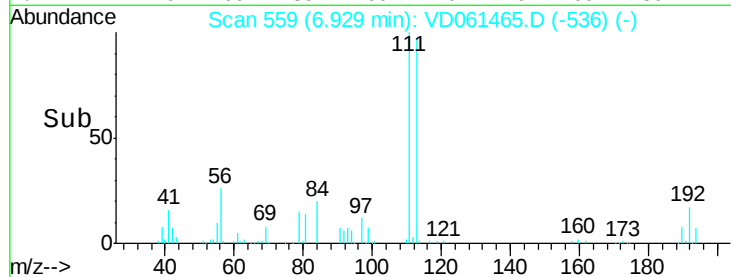
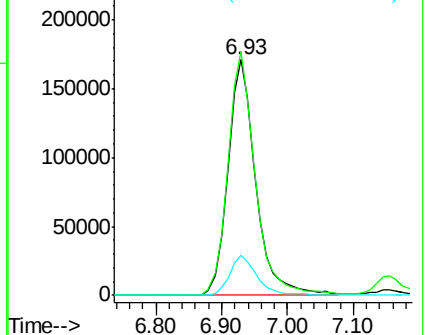
113 100

111 103.3 81.0 121.6

192 17.1 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.532 ug/l

RT: 7.16 min Scan# 582

Delta R.T. 0.04 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

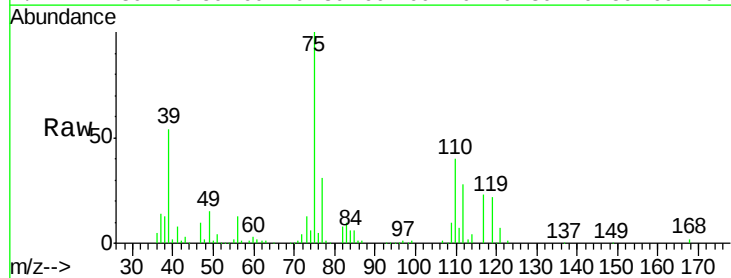
Tgt Ion: 75 Resp: 567274

Ion Ratio Lower Upper

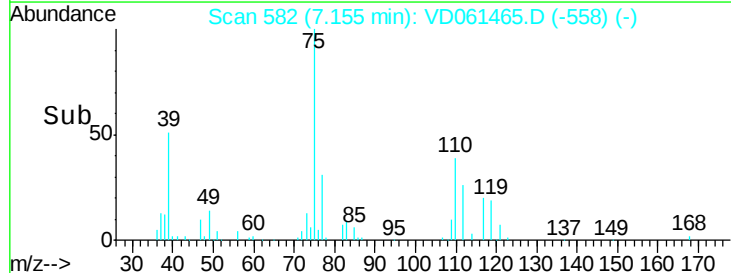
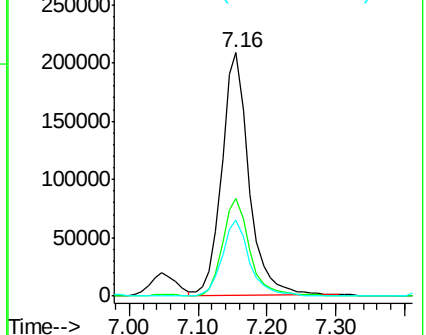
75 100

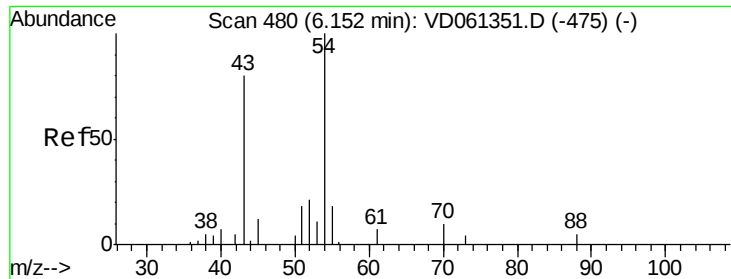
110 39.9 20.4 61.3

77 31.2 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

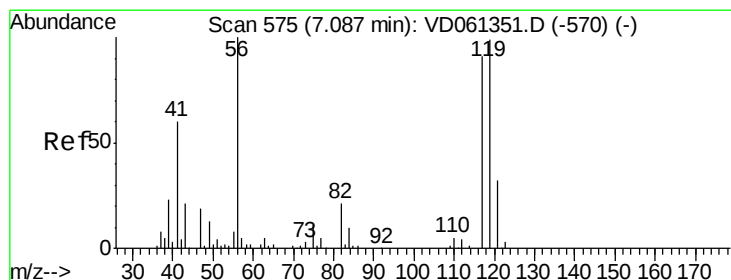
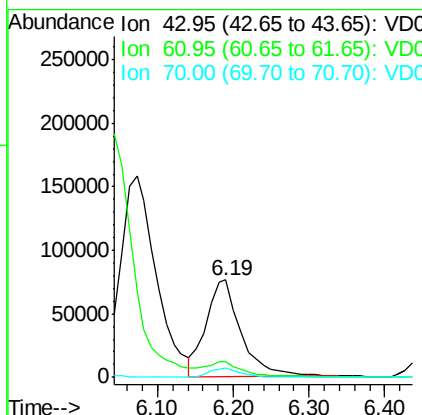
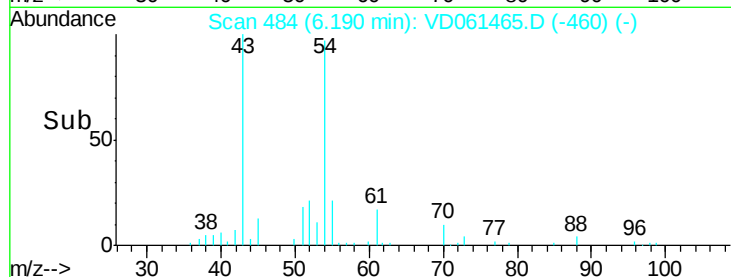
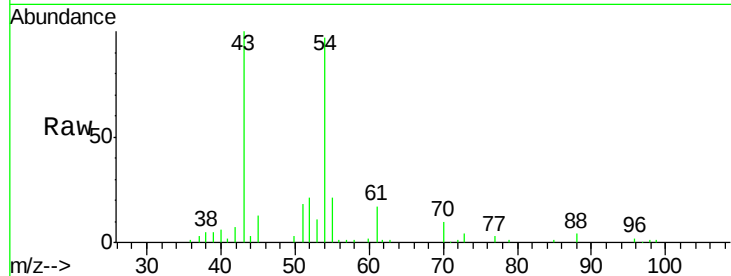




#37
Ethyl Acetate
Concen: 50.611 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.04 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

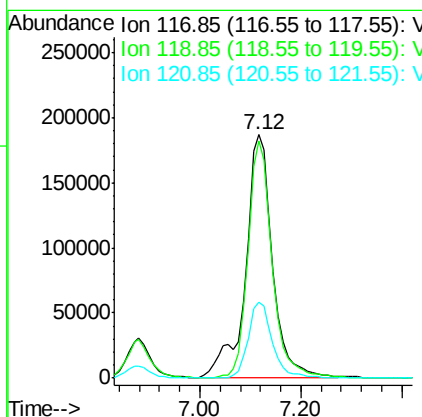
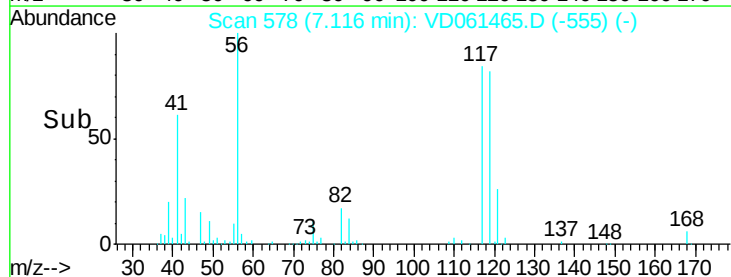
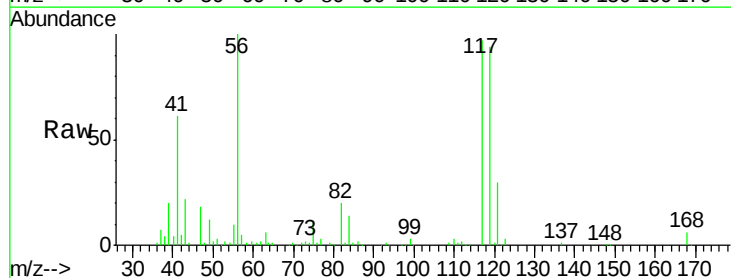
Instrument :
MSVOA_D
ClientSampled :

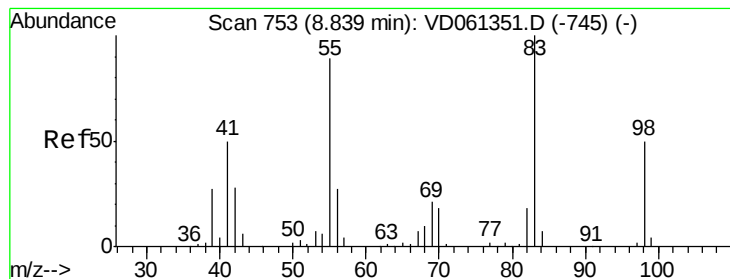
Tot Ion: 43 Resp: 242989
Ion Ratio Lower Upper
43 100
61 16.8 13.8 20.8
70 9.7 7.8 11.8



#38
Carbon Tetrachloride
Concen: 53.763 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 117 Resp: 693537
Ion Ratio Lower Upper
117 100
119 97.6 80.1 120.1
121 31.2 25.6 38.4





#39

Methvlcvclohexane

Concen: 52.923 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

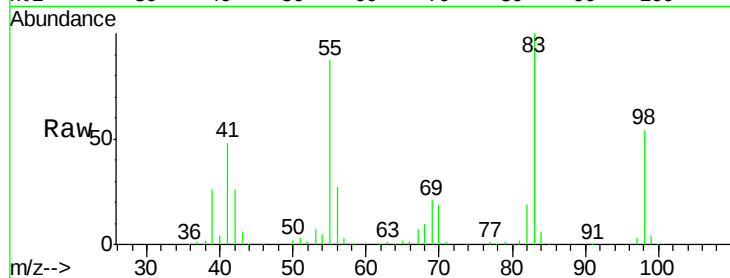
Tot Ion: 83 Resp: 618767

Ion Ratio Lower Upper

83 100

55 87.0 71.5 107.3

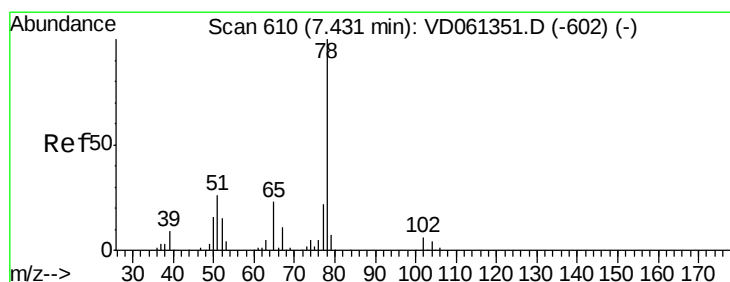
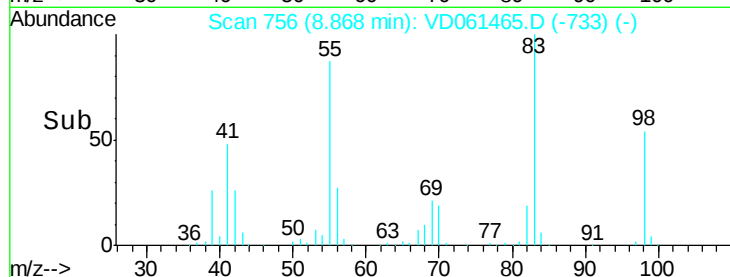
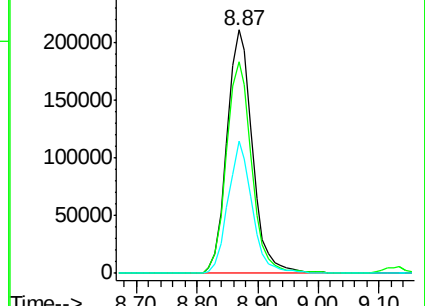
98 54.1 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.858 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD061465.D

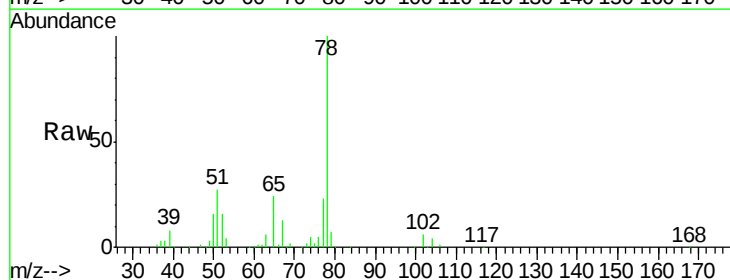
Acq: 1 Apr 2019 13:17

Tgt Ion: 78 Resp: 1432881

Ion Ratio Lower Upper

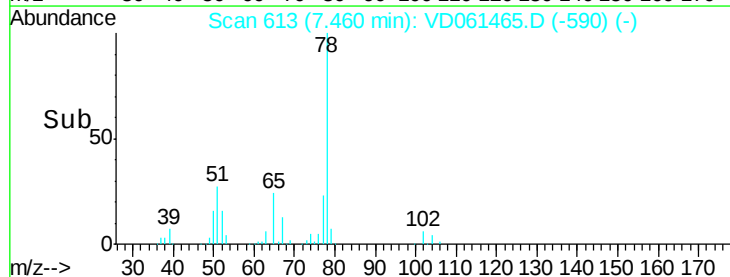
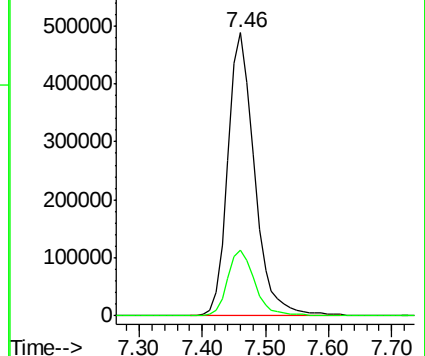
78 100

77 23.1 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

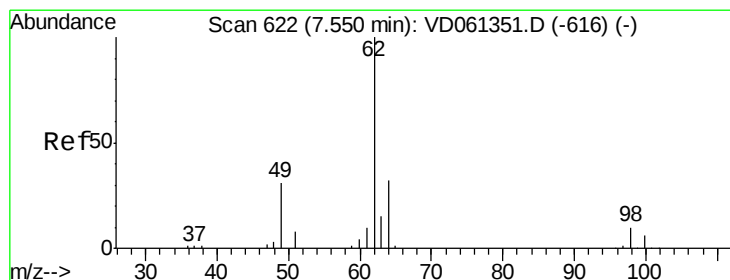
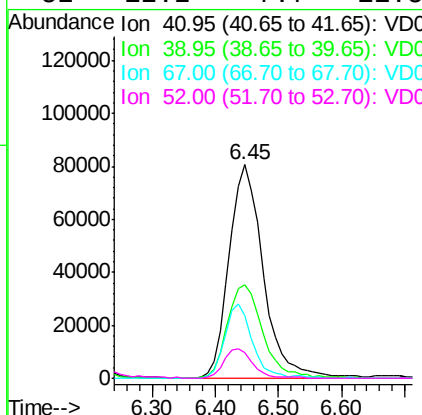
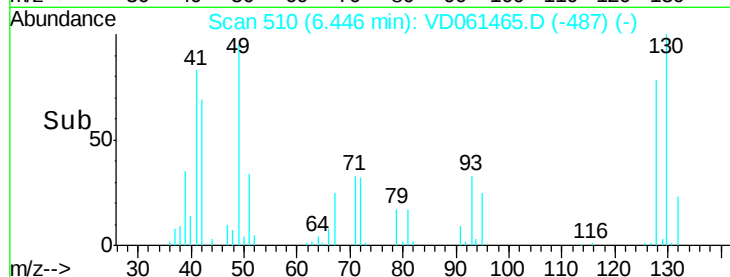
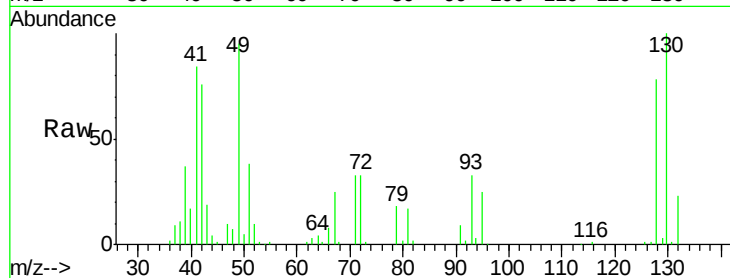




#41
Methacrylonitrile
Concen: 53.939 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

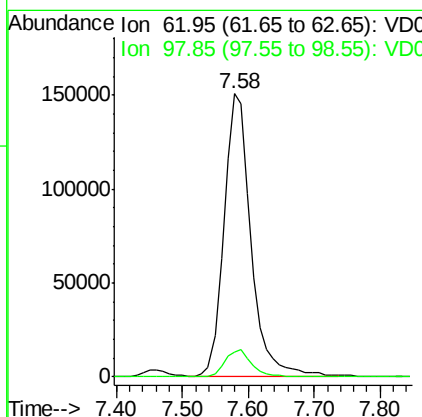
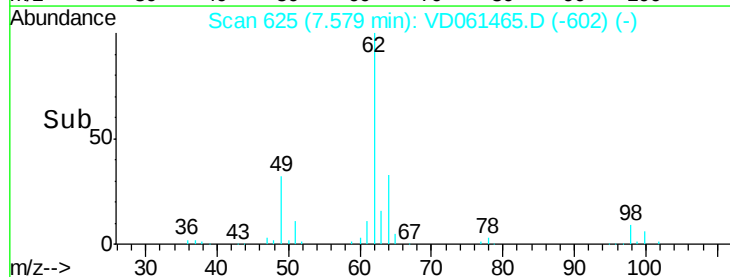
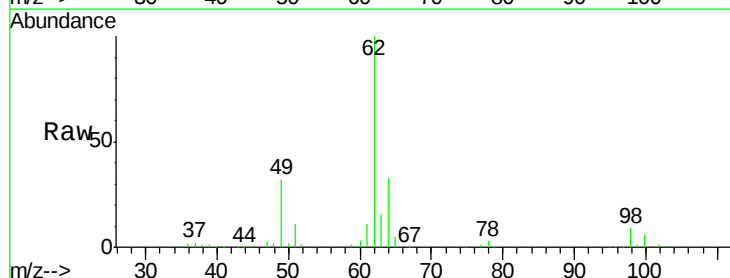
Instrument :
MSVOA_D
ClientSampleID :

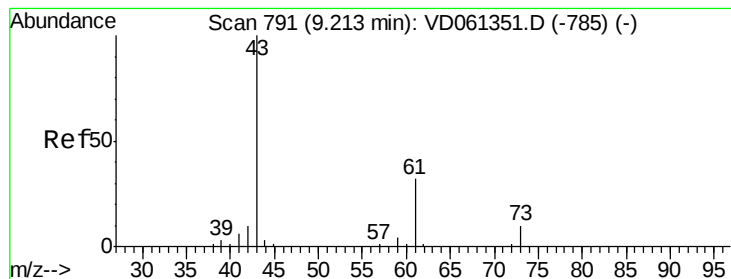
Tot Ion: 41 Resp: 302798
Ion Ratio Lower Upper
41 100
39 43.6 35.0 52.6
67 29.5 21.0 31.6
52 12.2 7.7 11.5#



#42
1,2-Dichloroethane
Concen: 50.860 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 62 Resp: 428630
Ion Ratio Lower Upper
62 100
98 9.0 0.0 19.8



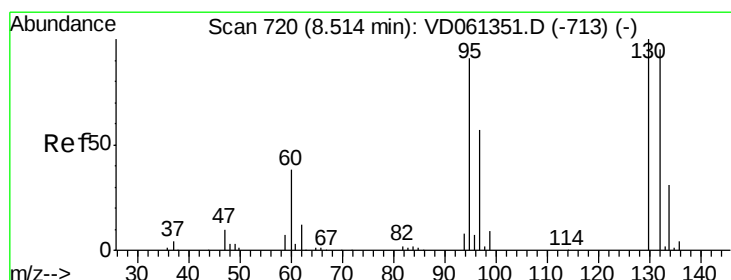
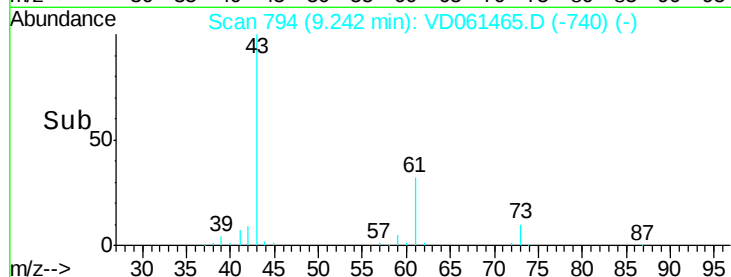
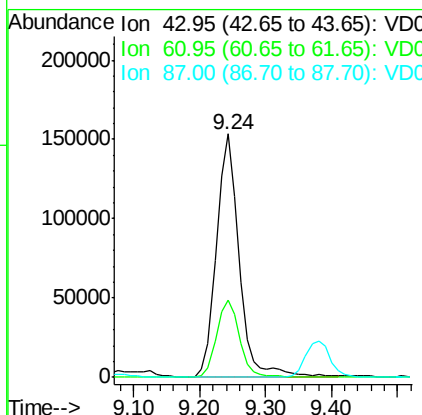
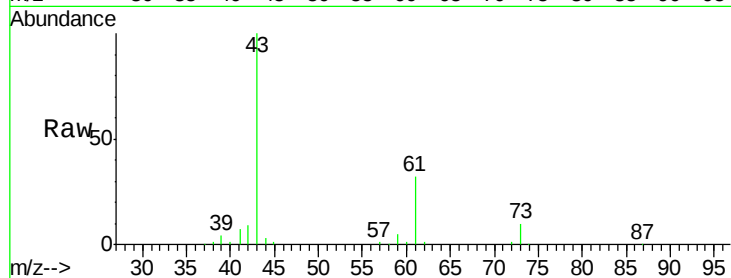


#43

Isopropyl Acetate
 Concen: 53.144 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleID :

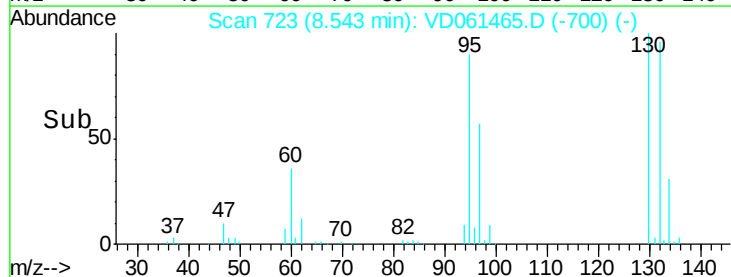
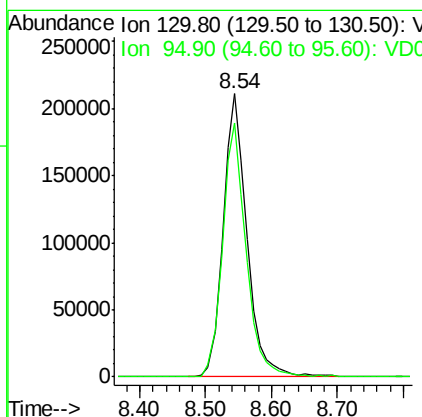
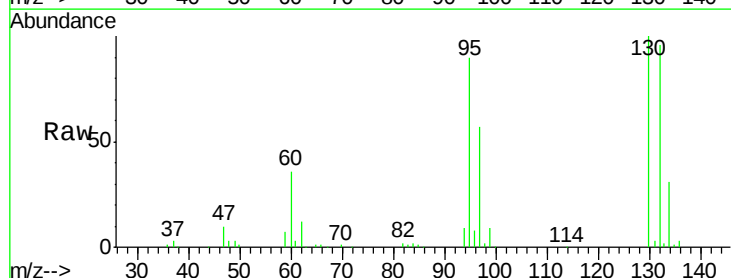
Tot Ion: 43 Resp: 371240
 Ion Ratio Lower Upper
 43 100
 61 31.9 25.8 38.6
 87 0.2 0.0 0.0#

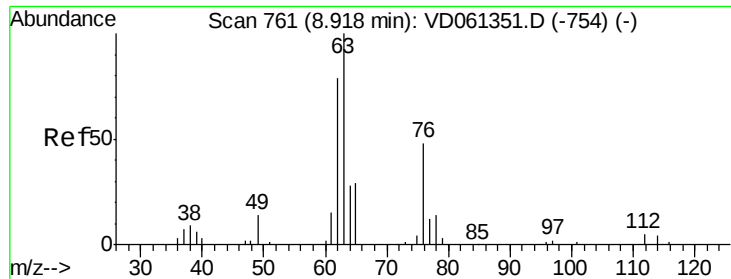


#44

Trichloroethene
 Concen: 50.543 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion:130 Resp: 529946
 Ion Ratio Lower Upper
 130 100
 95 89.9 0.0 181.4





#45

1,2-Dichloropropane

Concen: 53.169 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

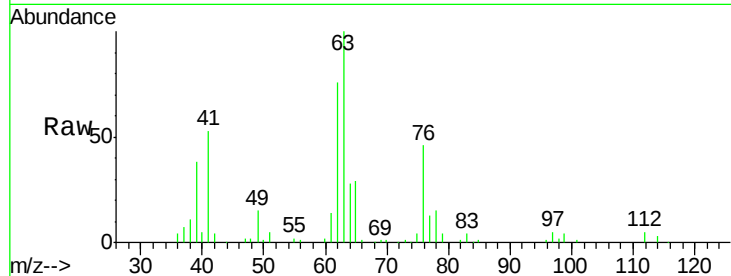
ClientSampleId :

Tot Ion: 63 Resp: 379848

Ion Ratio Lower Upper

63 100

65 29.4 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

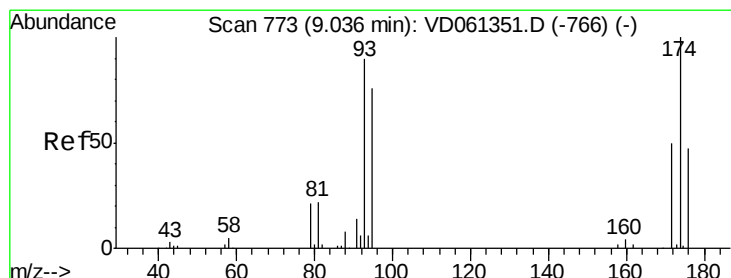
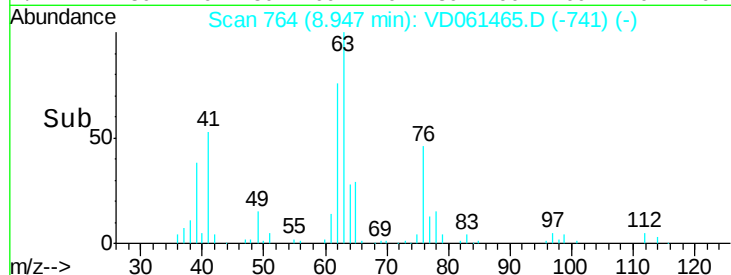
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.207 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

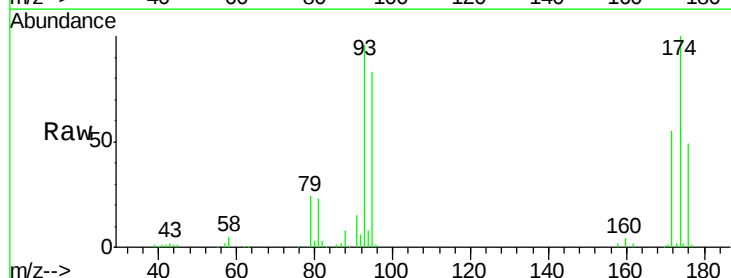
Tgt Ion: 93 Resp: 251041

Ion Ratio Lower Upper

93 100

95 86.8 67.4 101.0

174 104.2 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

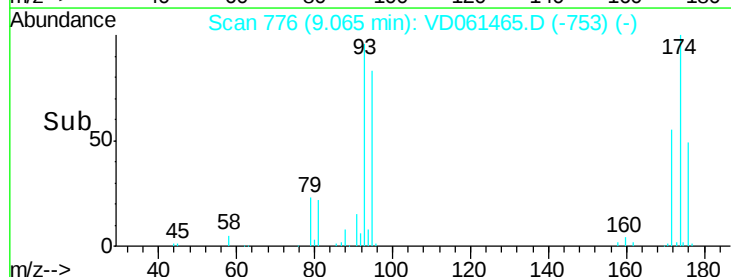
9.07

100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 53.126 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :

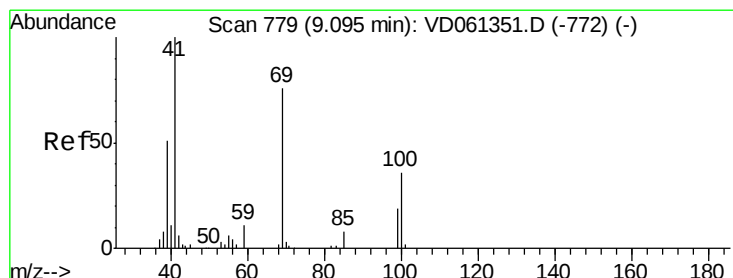
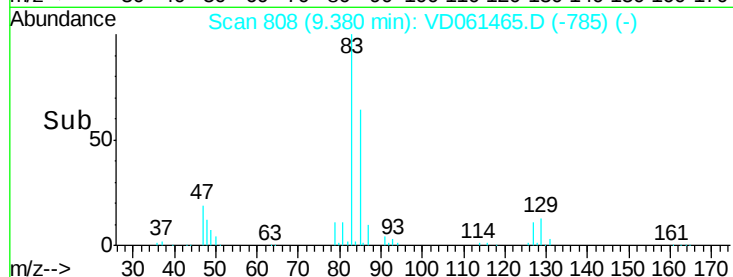
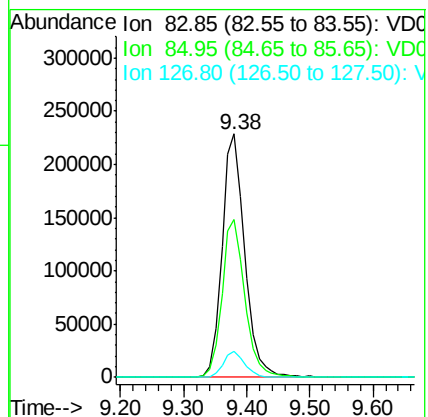
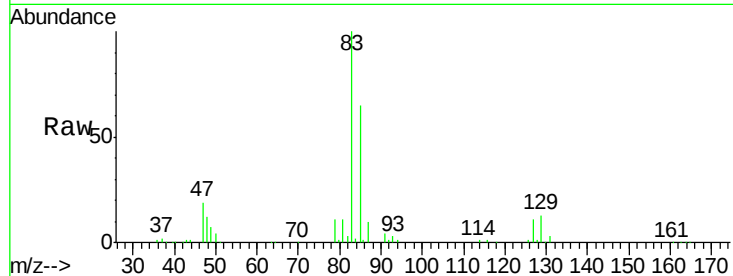
Tot Ion: 83 Resp: 573374

Ion Ratio Lower Upper

83 100

85 64.9 53.0 79.4

127 10.7 8.4 12.6



#48

Methyl methacrylate

Concen: 53.917 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

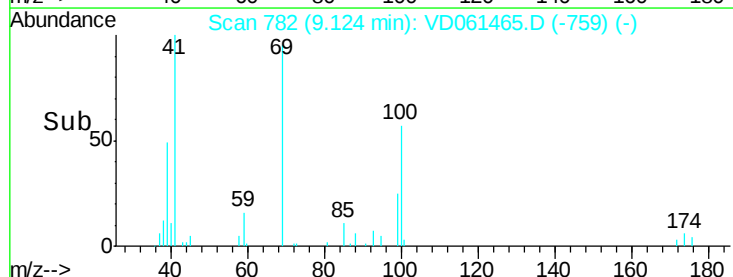
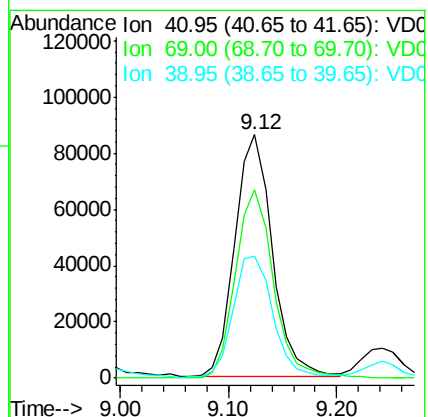
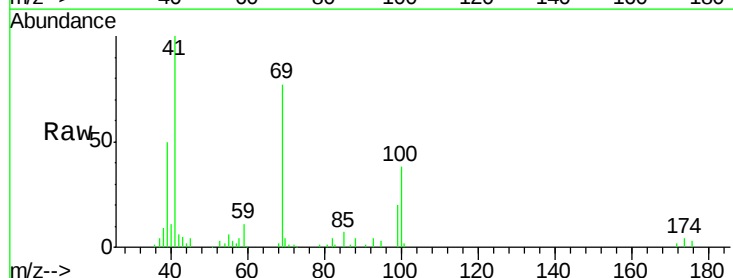
Tgt Ion: 41 Resp: 207865

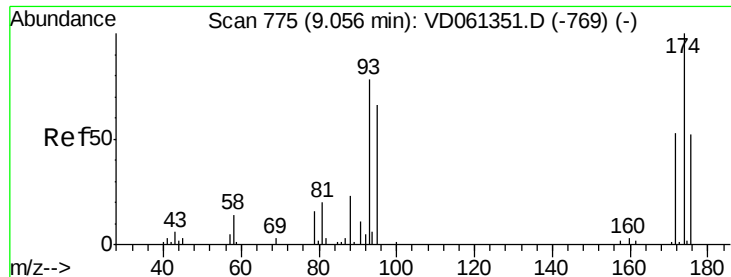
Ion Ratio Lower Upper

41 100

69 77.3 60.2 90.4

39 50.2 41.4 62.2

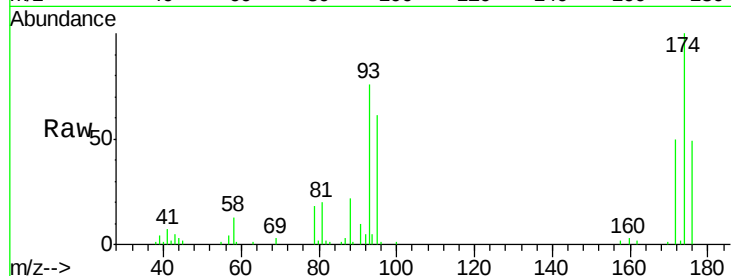




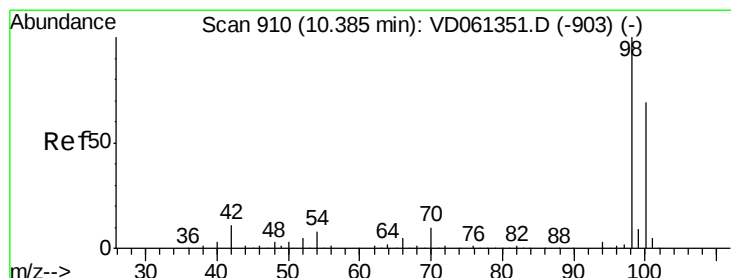
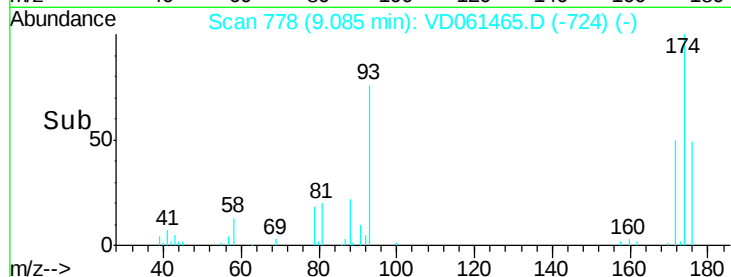
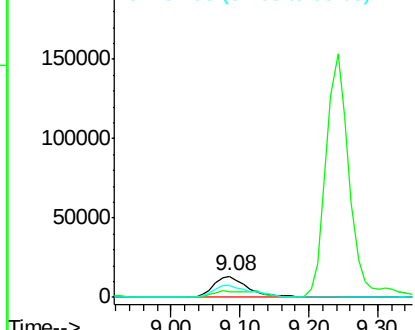
#49
1,4-Dioxane
Concen: 1062.883 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 45197
Ion Ratio Lower Upper
88 100
43 23.5 23.3 34.9
58 58.5 50.8 76.2

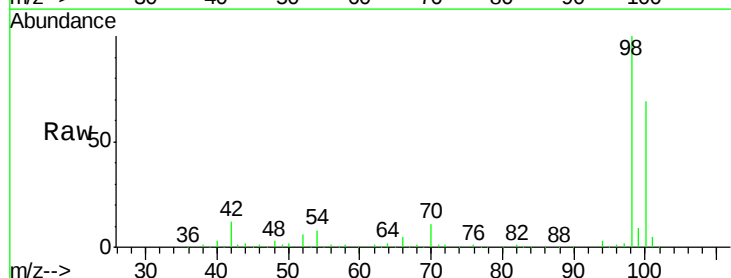


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

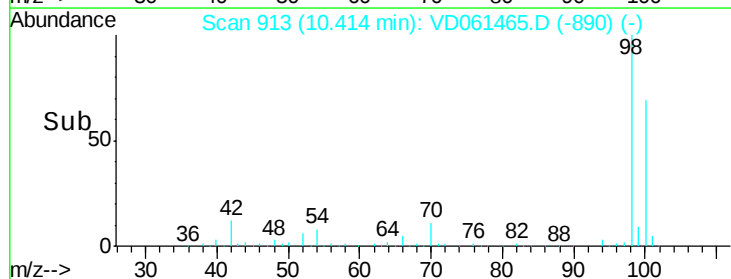
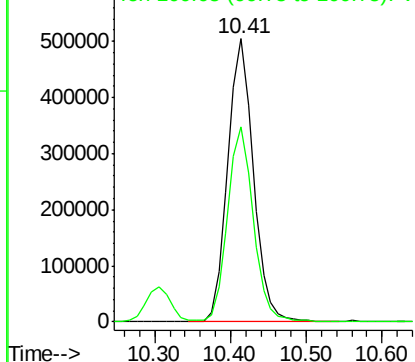


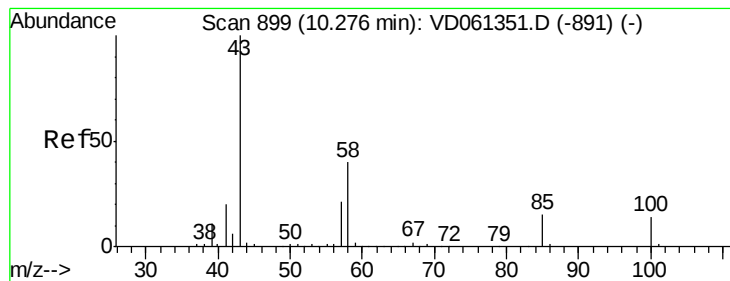
#50
Toluene-d8
Concen: 1062.883 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 98 Resp: 1183815
Ion Ratio Lower Upper
98 100
100 69.0 56.2 84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 261.787 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

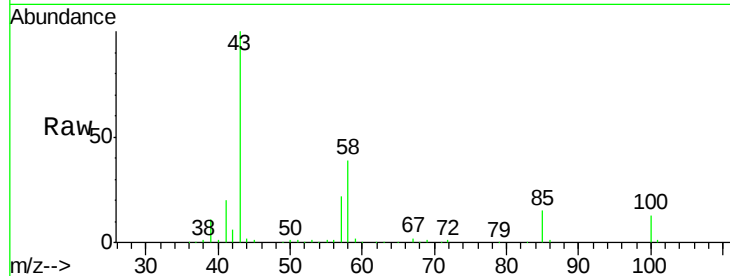
ClientSampled :

Tot Ion: 43 Resp: 1112583

Ion Ratio Lower Upper

43 100

58 38.8 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

500000

400000

300000

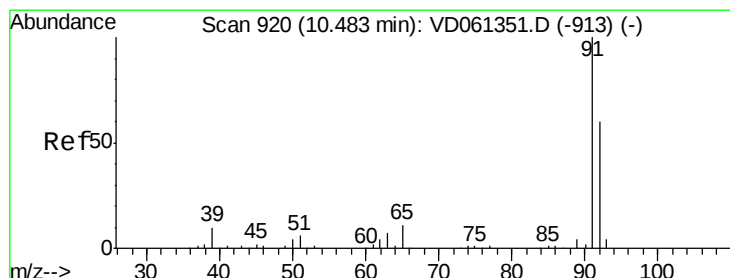
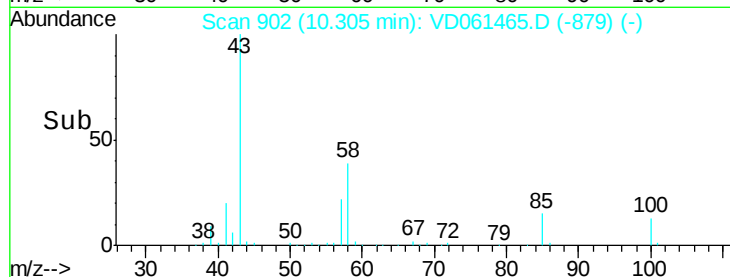
200000

100000

0

Time-->

10.20 10.30 10.40



#52

Toluene

Concen: 51.075 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061465.D

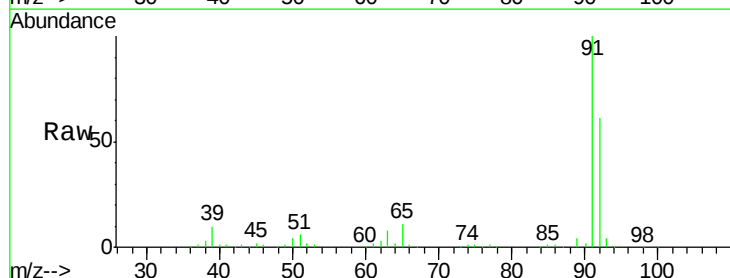
Acq: 1 Apr 2019 13:17

Tgt Ion: 92 Resp: 877910

Ion Ratio Lower Upper

92 100

91 162.8 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

600000

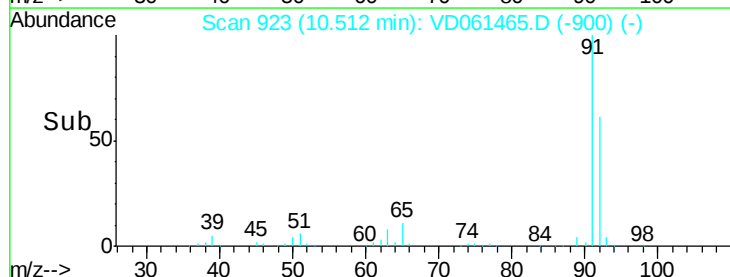
400000

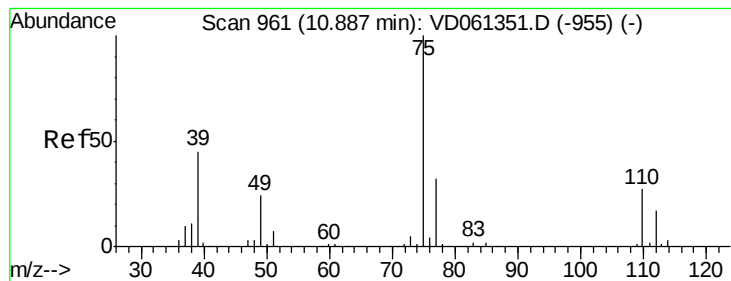
200000

0

Time-->

10.40 10.50 10.60





#53

t-1,3-Dichloropropene

Concen: 55.423 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

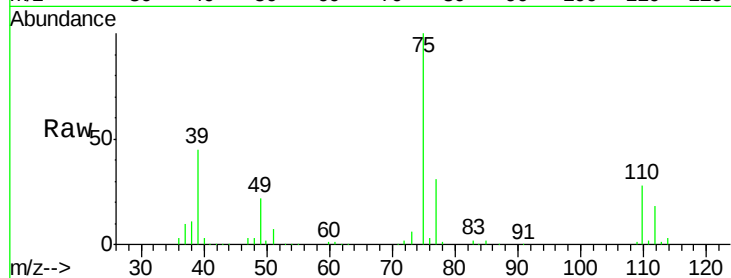
ClientSampled :

Tot Ion: 75 Resp: 543460

Ion Ratio Lower Upper

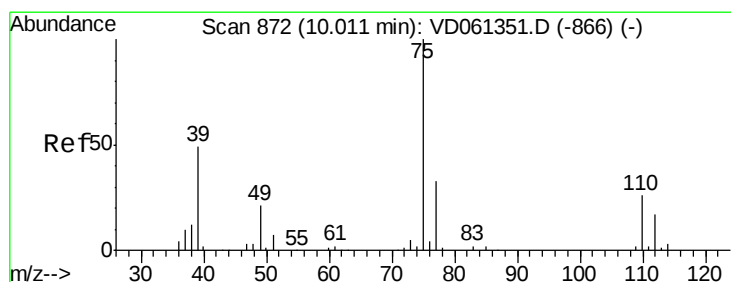
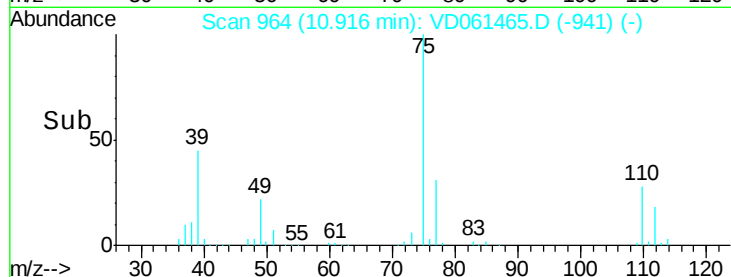
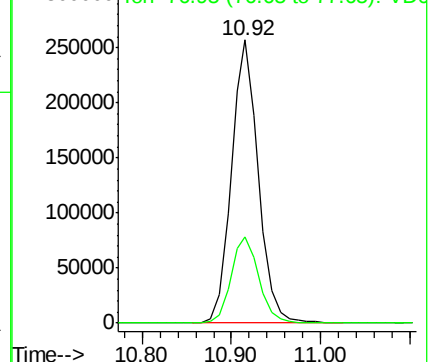
75 100

77 30.6 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.387 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.03 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

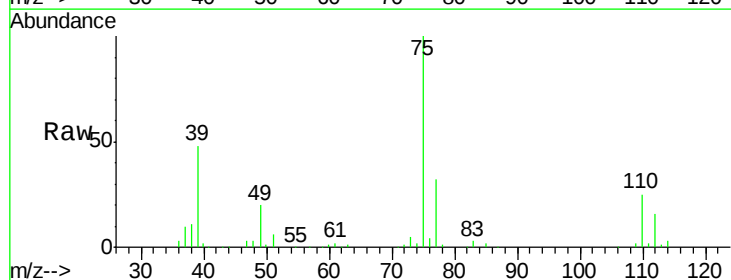
Tgt Ion: 75 Resp: 613562

Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.4

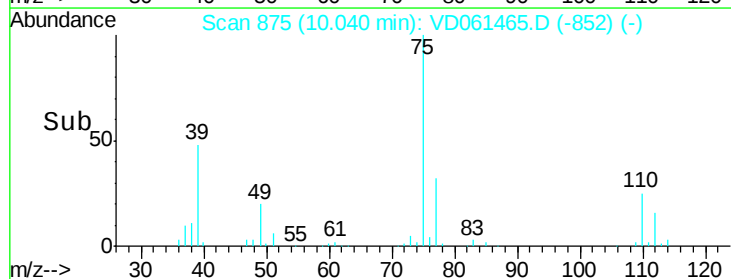
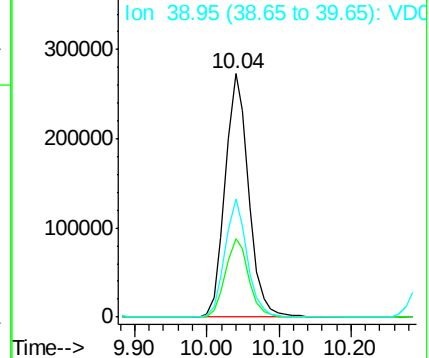
39 48.3 39.4 59.0

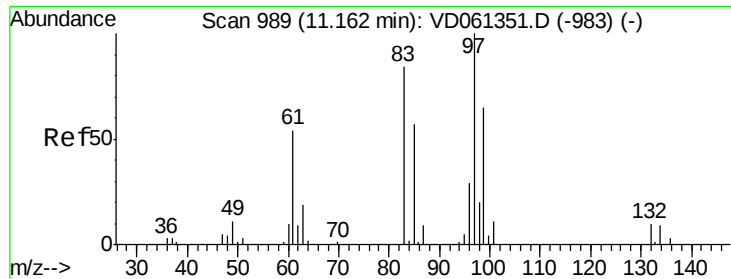


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

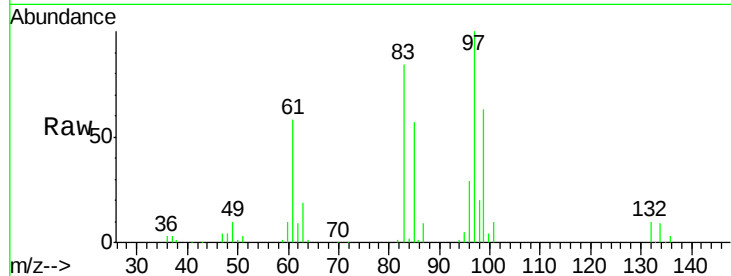




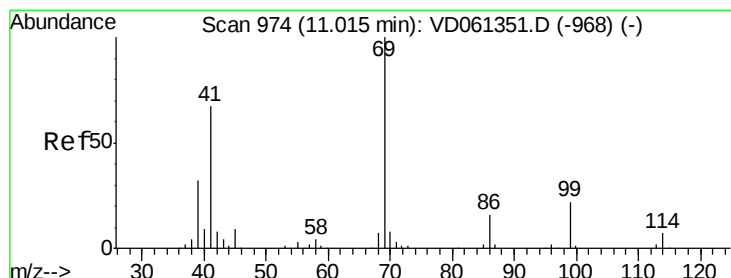
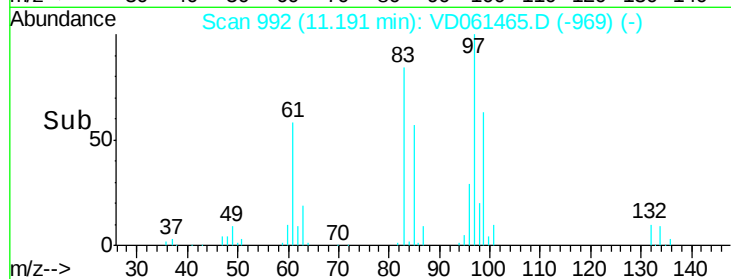
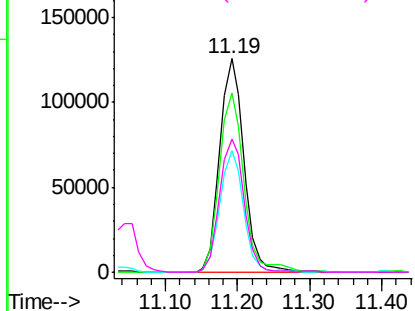
#55
 1,1,2-Trichloroethane
 Concen: 48.851 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	293653
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.0	100.6
85	56.9	45.4	68.2
99	62.5	51.9	77.9

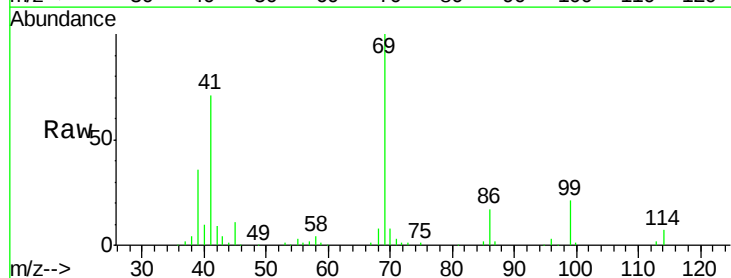


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

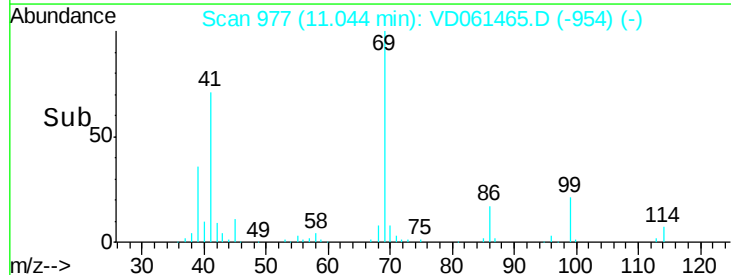
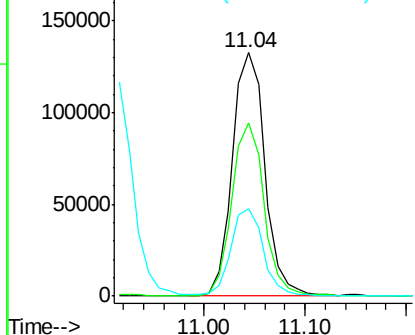


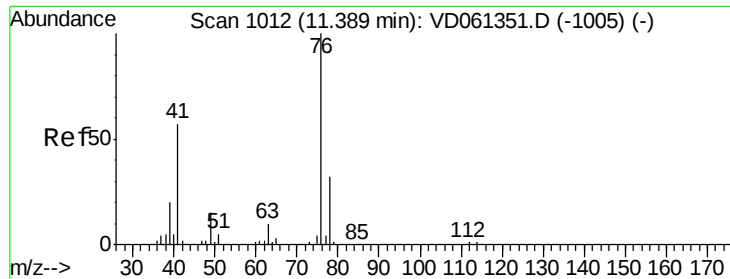
#56
 Ethyl methacrylate
 Concen: 46.203 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.03 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion:	69	Resp:	298361
Ion	Ratio	Lower	Upper
69	100		
41	71.2	53.8	80.6
39	36.1	26.4	39.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 48.825 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

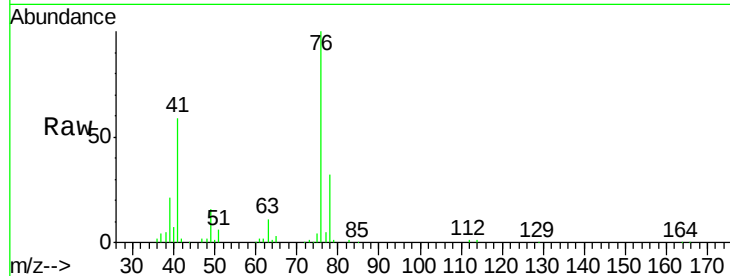
ClientSampleId :

Tot Ion: 76 Resp: 431383

Ion Ratio Lower Upper

76 100

78 31.7 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

200000

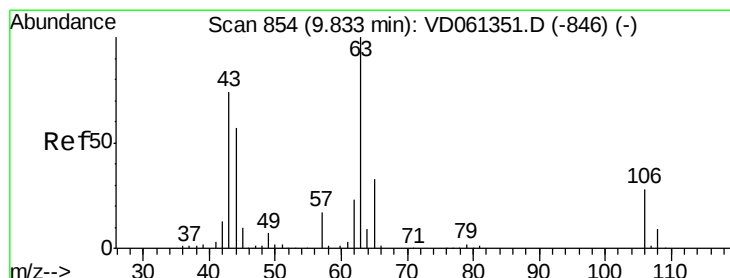
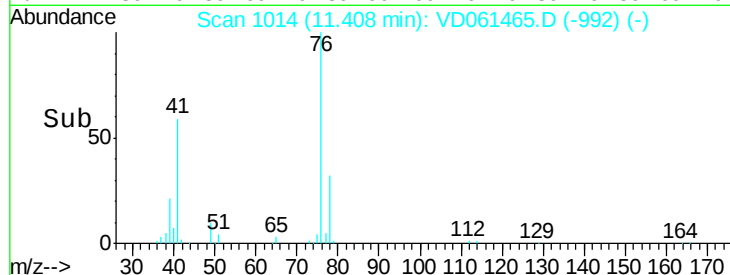
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 242.800 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.03 min

Lab File: VD061465.D

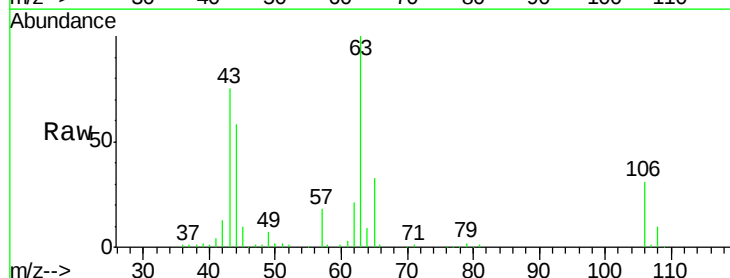
Acq: 1 Apr 2019 13:17

Tgt Ion: 63 Resp: 763567

Ion Ratio Lower Upper

63 100

106 30.7 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

400000

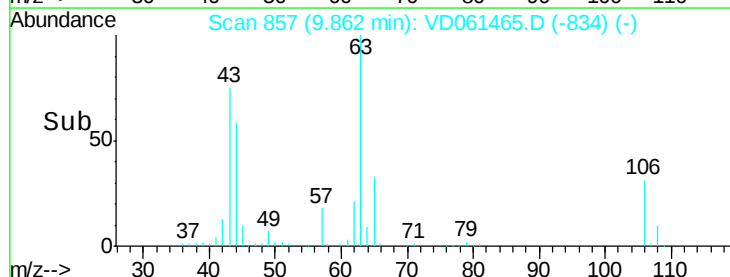
300000

200000

100000

0

Time-->

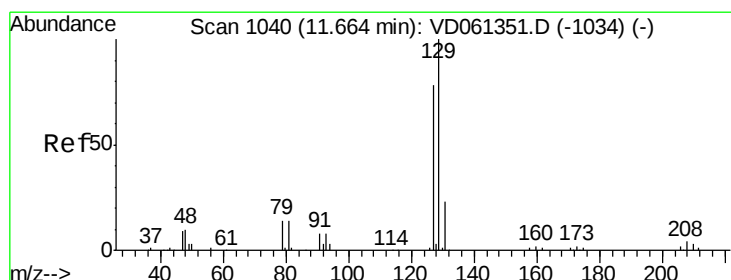
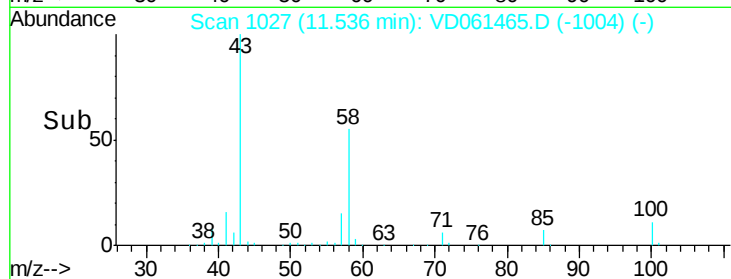
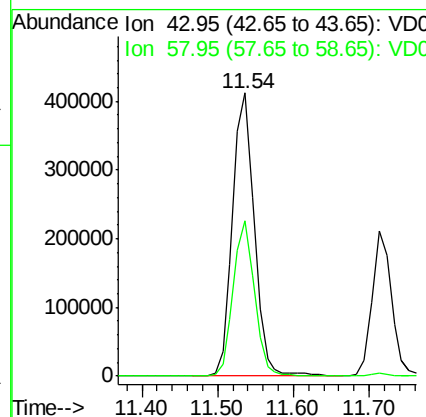
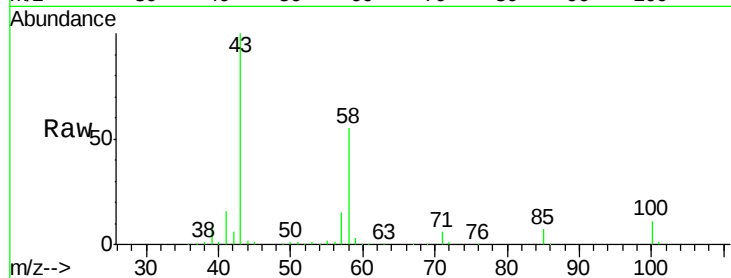




#59
2-Hexanone
Concen: 266.243 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

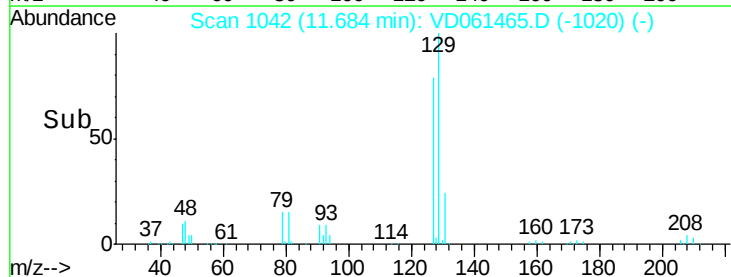
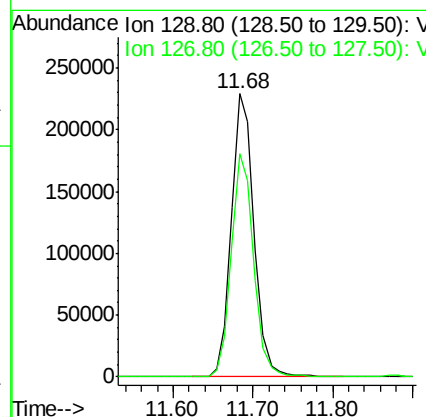
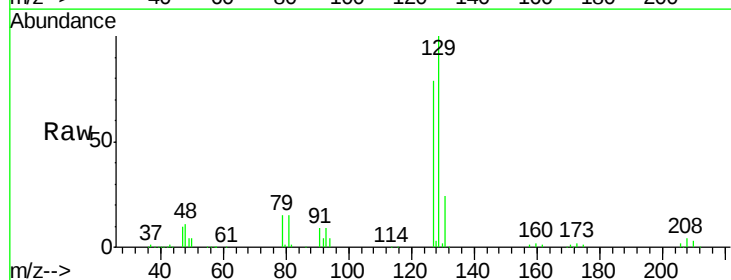
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 819821
Ion Ratio Lower Upper
43 100
58 54.9 26.3 78.9



#60
Dibromochloromethane
Concen: 49.593 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion:129 Resp: 459577
Ion Ratio Lower Upper
129 100
127 78.9 39.0 116.9

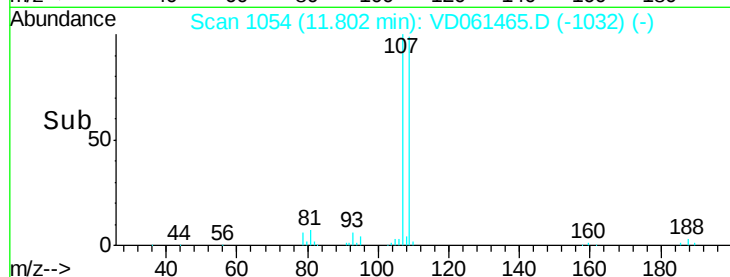
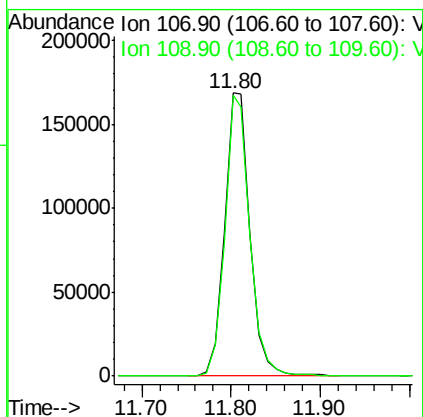
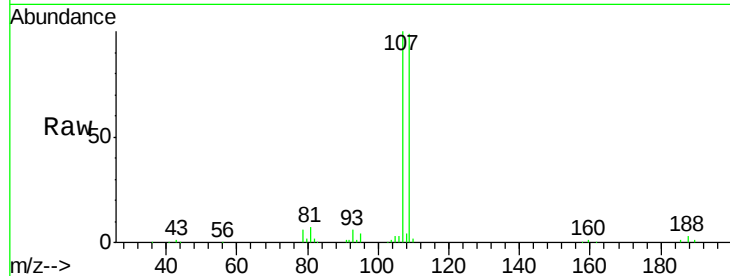




#61
 1,2-Dibromoethane
 Concen: 48.336 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

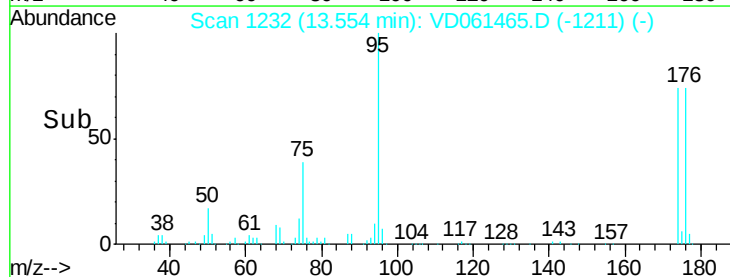
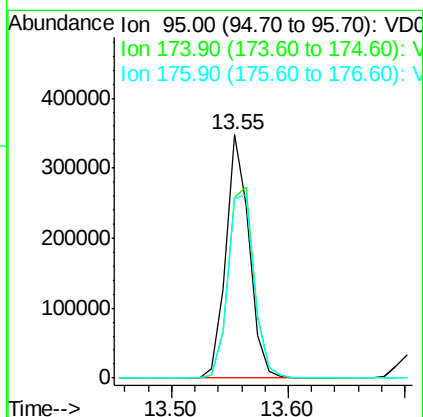
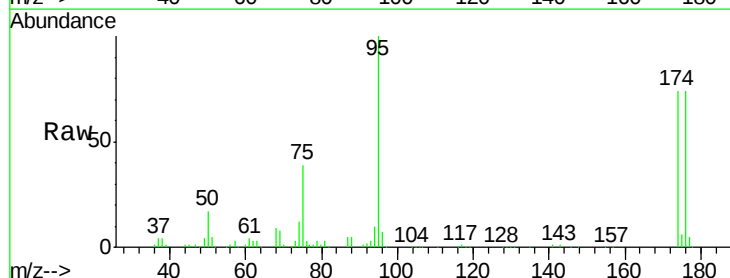
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 107 Resp: 336452
 Ion Ratio Lower Upper
 107 100
 109 99.2 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 48.336 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion: 95 Resp: 479906
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 178.0
 176 73.7 0.0 175.0

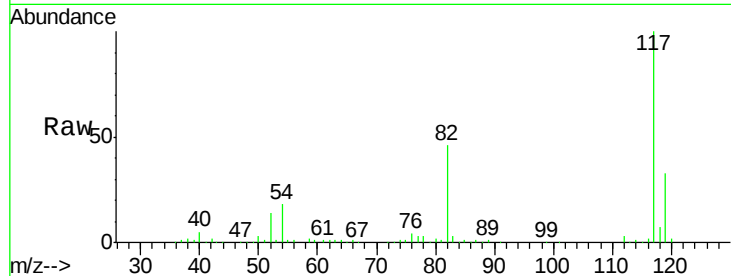




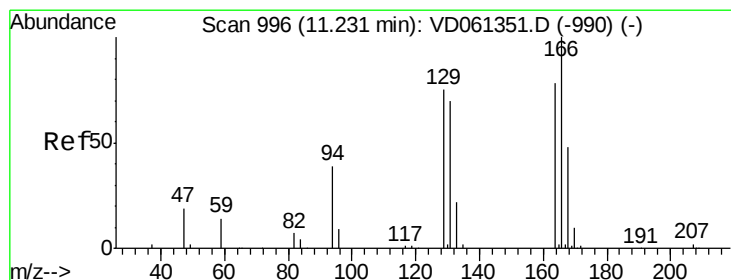
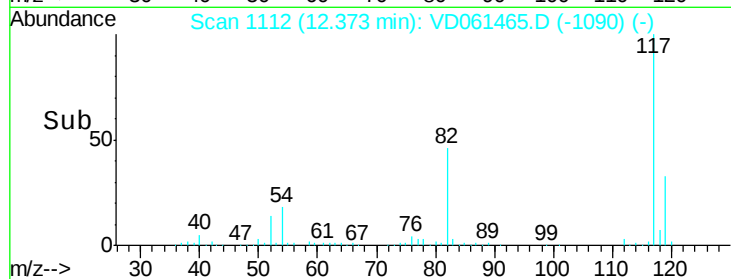
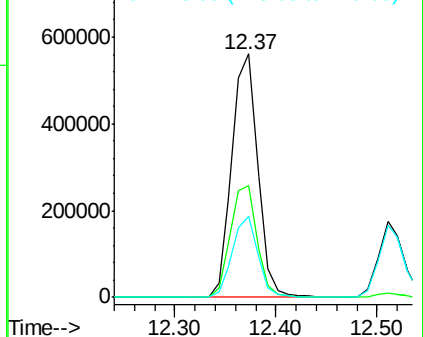
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1008806
Ion Ratio Lower Upper
117 100
82 46.2 34.4 51.6
119 33.1 25.8 38.6

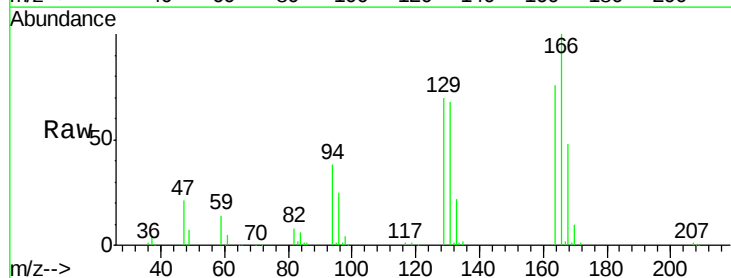


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

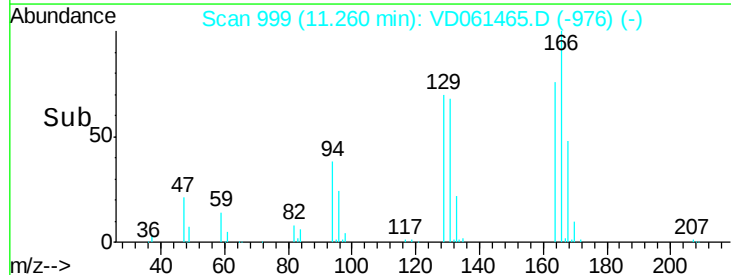
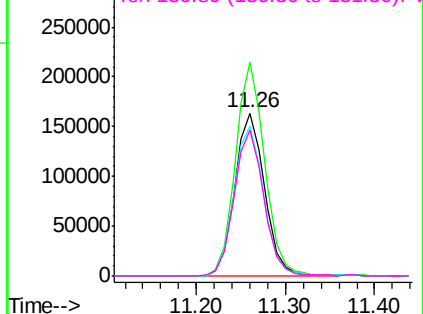


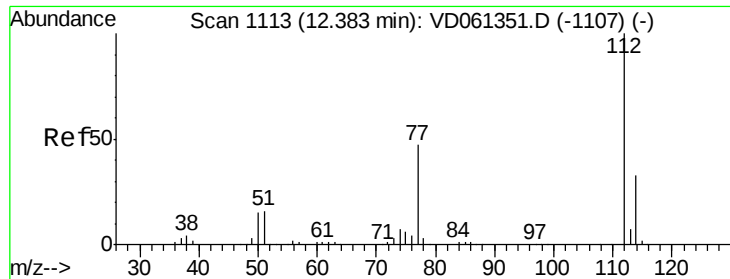
#64
Tetrachloroethene
Concen: 48.272 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.03 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion:164 Resp: 382185
Ion Ratio Lower Upper
164 100
166 130.9 102.4 153.6
129 92.2 76.8 115.2
131 89.3 71.8 107.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

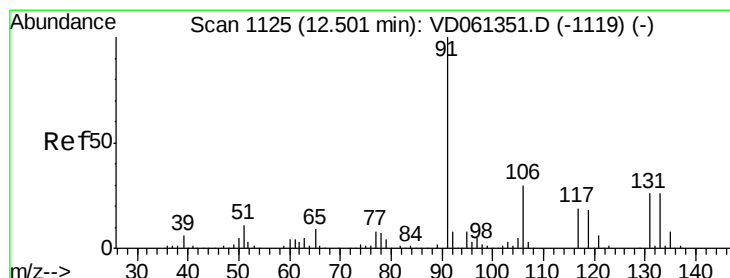
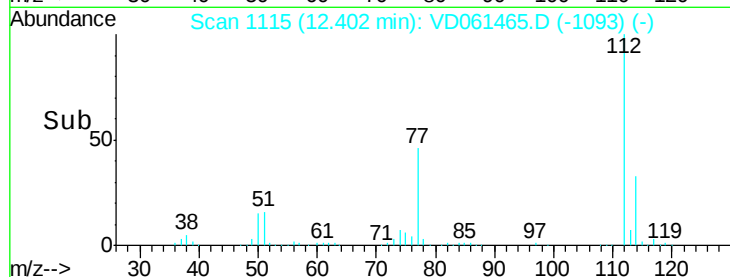
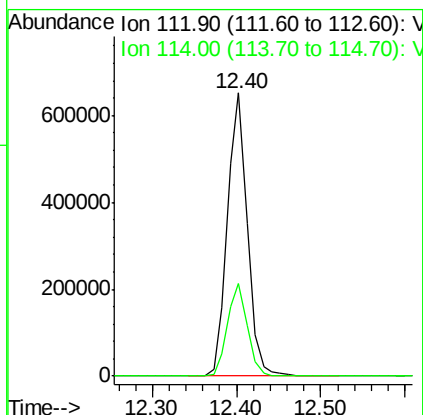
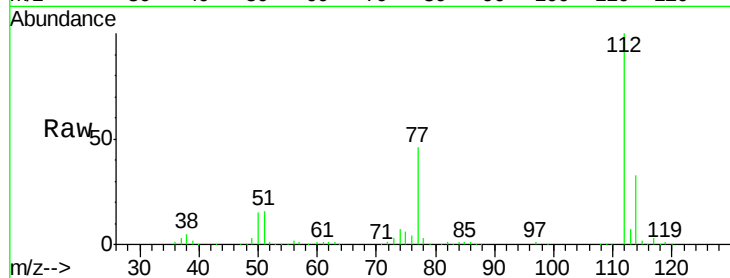




#65
Chlorobenzene
Concen: 51.698 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

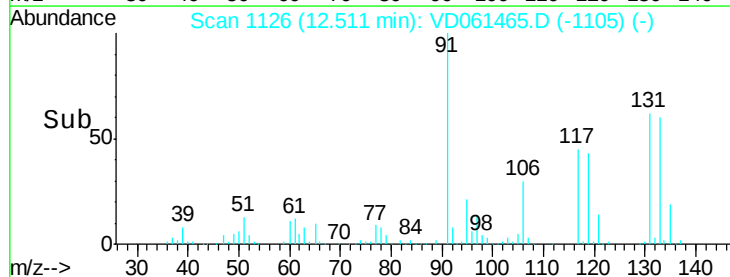
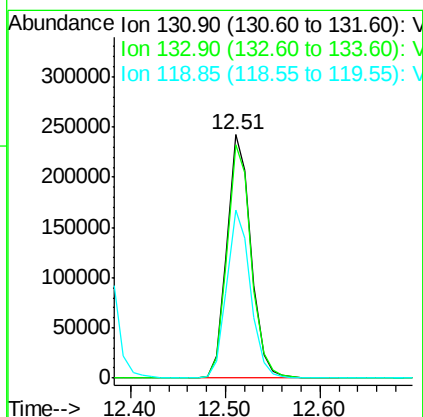
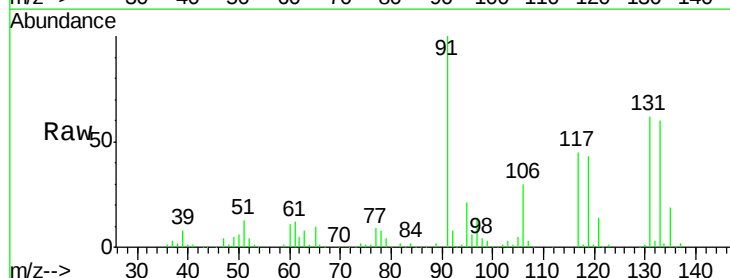
Instrument :
MSVOA_D
ClientSampleId :

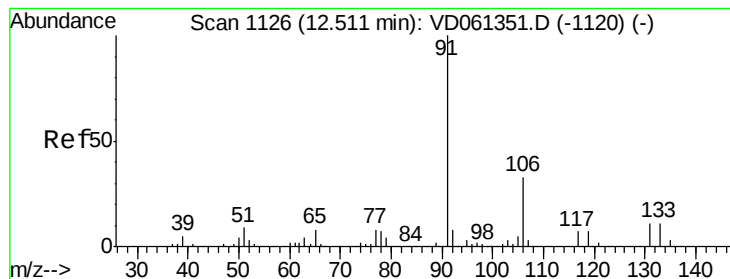
Tot Ion:112 Resp: 1065840
Ion Ratio Lower Upper
112 100
114 32.6 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.211 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion:131 Resp: 424757
Ion Ratio Lower Upper
131 100
133 95.7 49.4 148.2
119 68.9 34.1 102.2





#67

Ethyl Benzene

Concen: 52.265 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

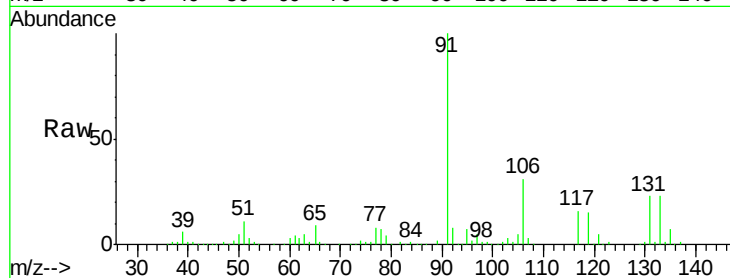
ClientSampleId :

Tot Ion: 91 Resp: 1644701

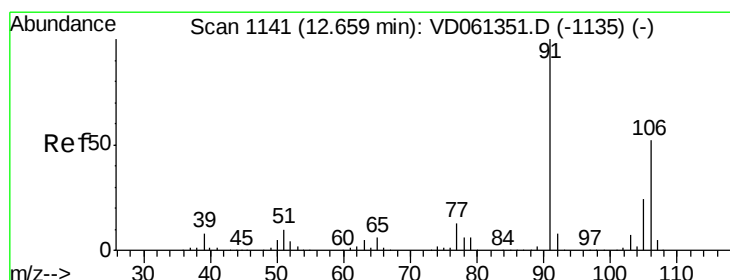
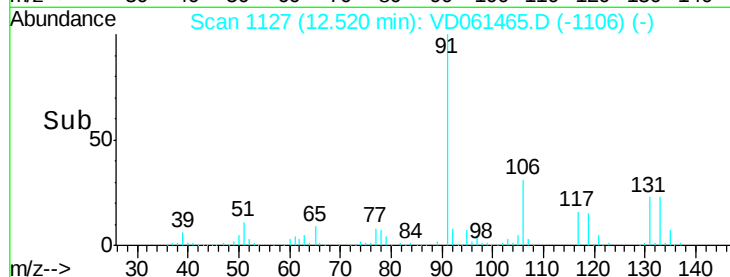
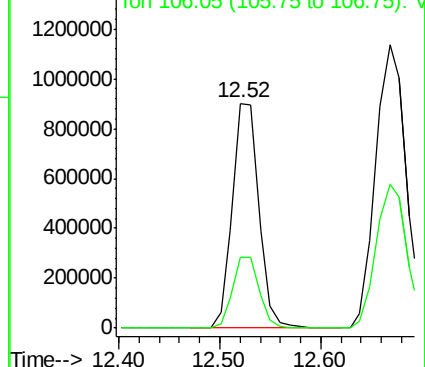
Ion Ratio Lower Upper

91 100

106 31.3 26.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 102.814 ug/l

RT: 12.67 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VD061465.D

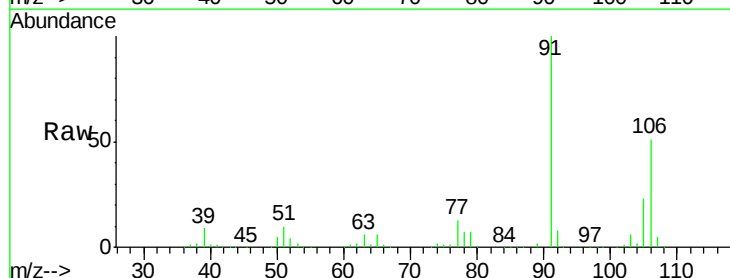
Acq: 1 Apr 2019 13:17

Tgt Ion:106 Resp: 1225584

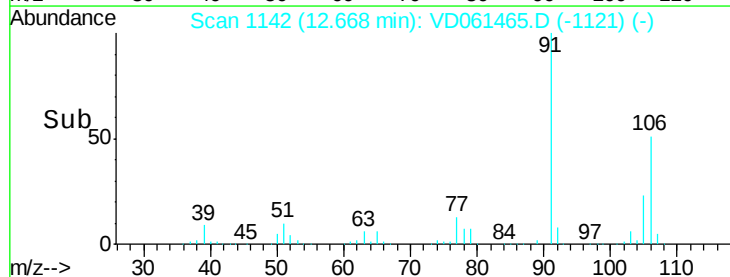
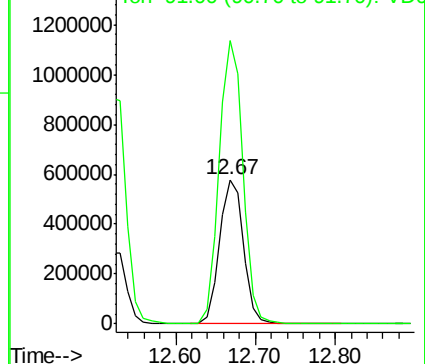
Ion Ratio Lower Upper

106 100

91 196.5 153.1 229.7



Abundance Ion 106.05 (105.75 to 106.75): V

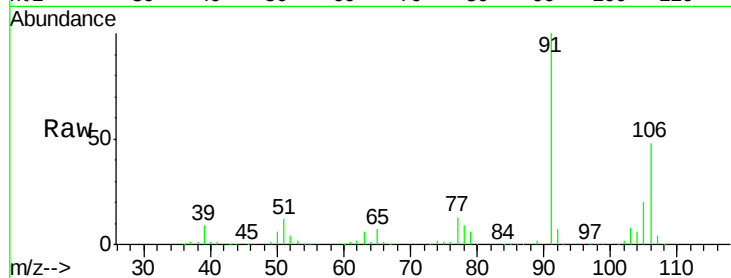




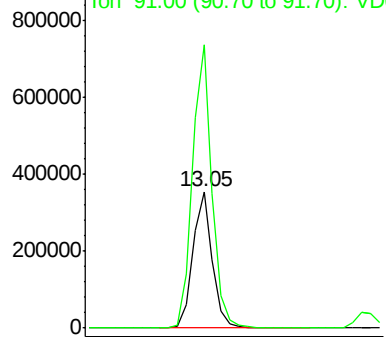
#69
o-Xylene
Concen: 47.273 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampled :

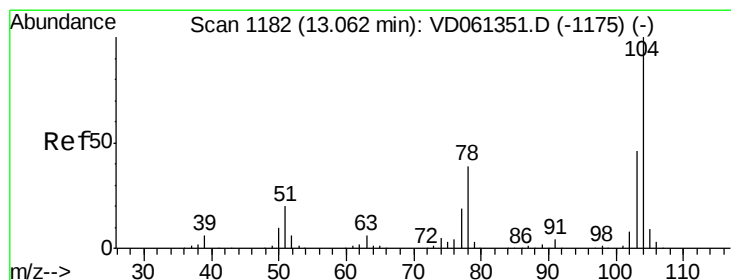
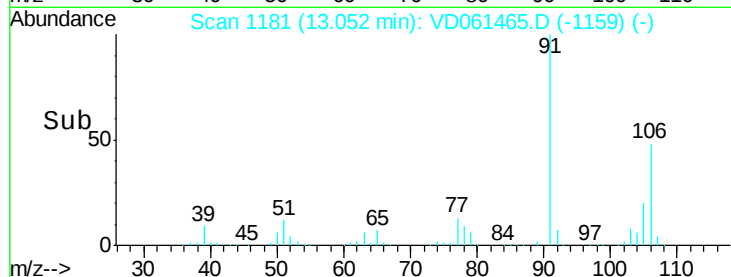
Tot Ion:106 Resp: 546847
Ion Ratio Lower Upper
106 100
91 207.5 103.8 311.3



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

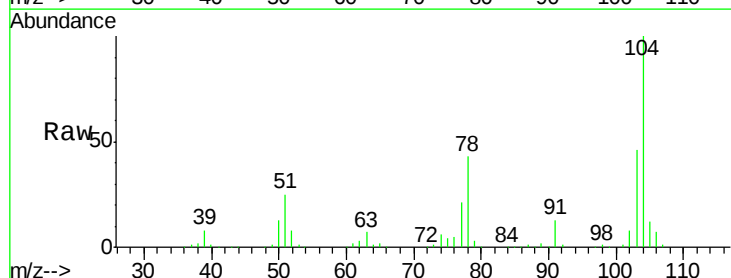


Time-->

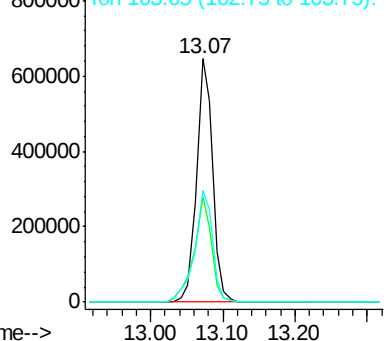


#70
Styrene
Concen: 49.356 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

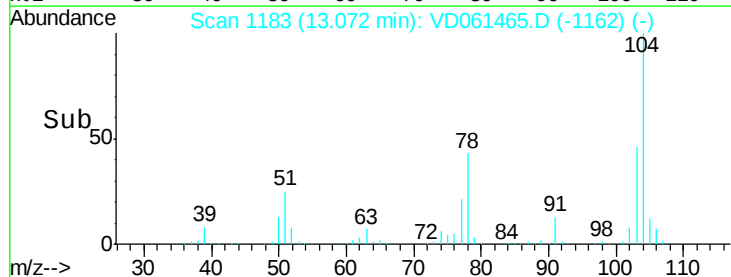
Tgt Ion:104 Resp: 995264
Ion Ratio Lower Upper
104 100
78 43.5 31.0 46.6
103 46.0 37.0 55.4

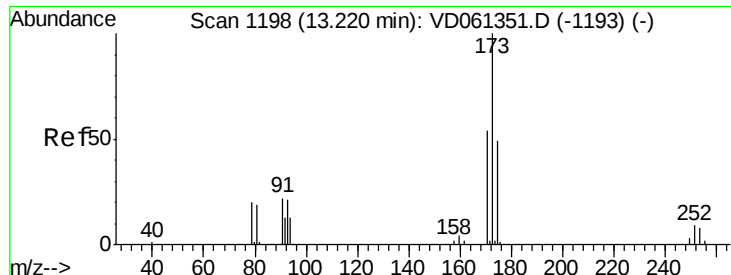


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->





#71

Bromoform

Concen: 56.223 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

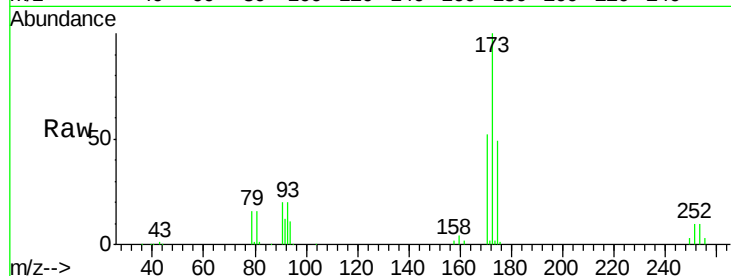
Tot Ion:173 Resp: 284500

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.8

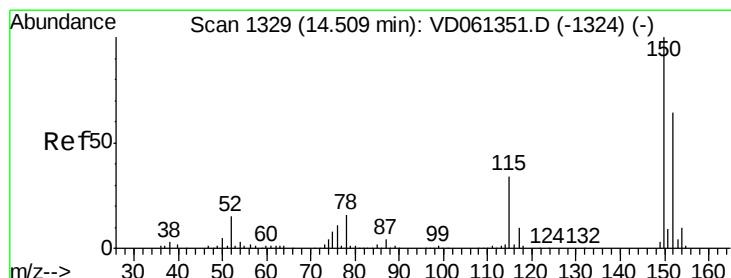
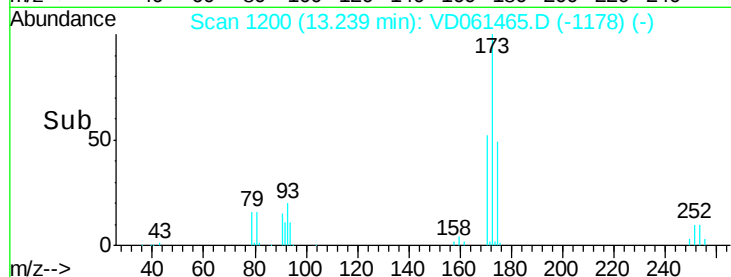
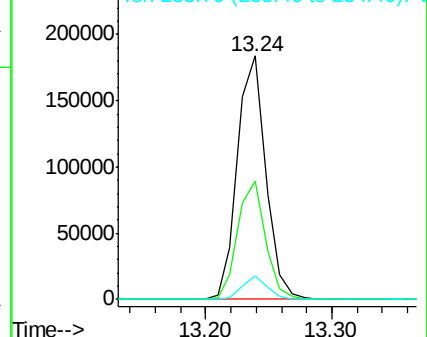
254 9.7 6.6 10.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

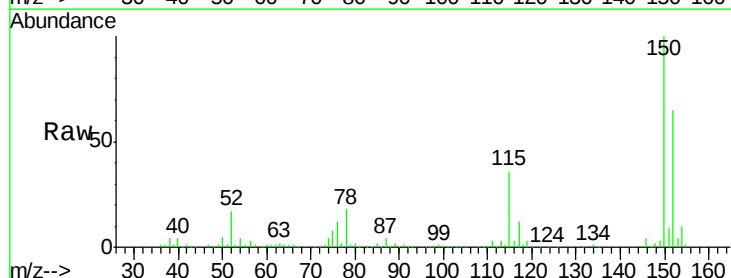
Tgt Ion:152 Resp: 467023

Ion Ratio Lower Upper

152 100

115 55.9 26.9 80.6

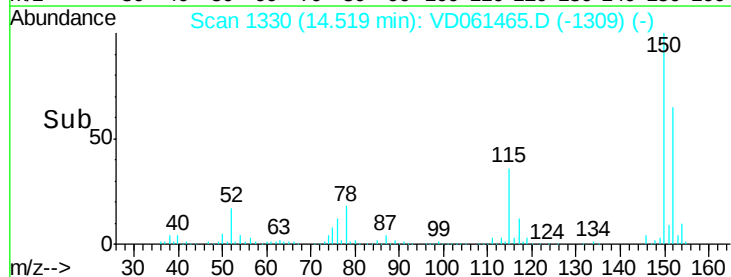
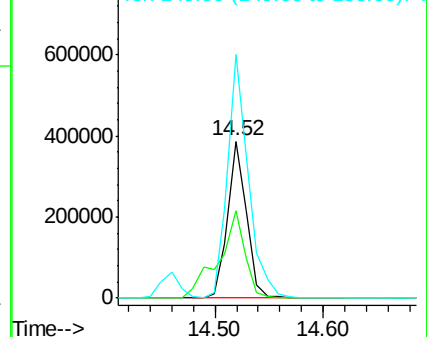
150 154.9 0.0 318.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.553 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

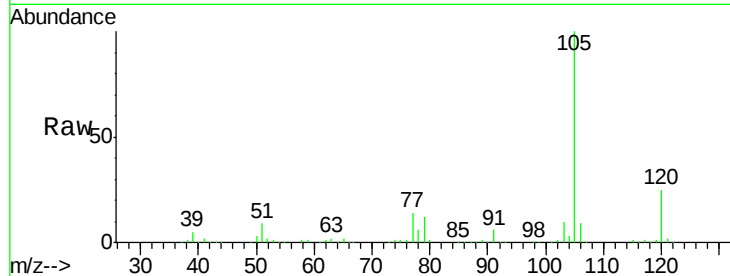
ClientSampleId :

Tot Ion:105 Resp: 1643201

Ion Ratio Lower Upper

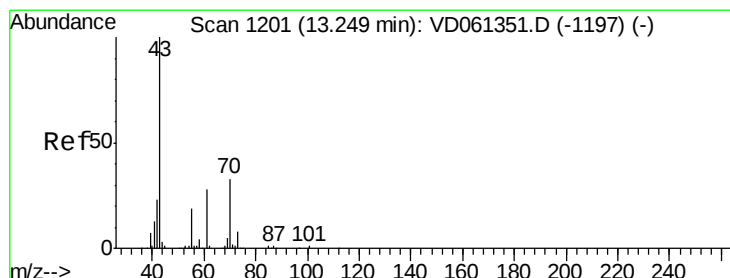
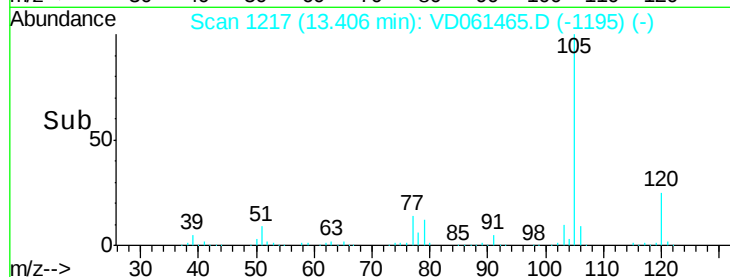
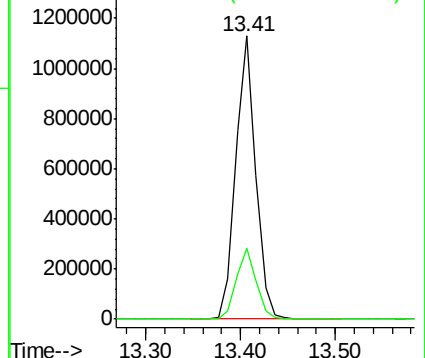
105 100

120 25.1 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.181 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Tgt Ion: 43 Resp: 454377

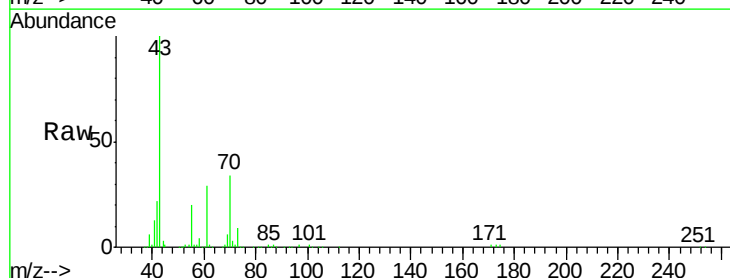
Ion Ratio Lower Upper

43 100

70 34.4 26.6 40.0

55 20.0 15.4 23.2

61 29.0 22.2 33.4

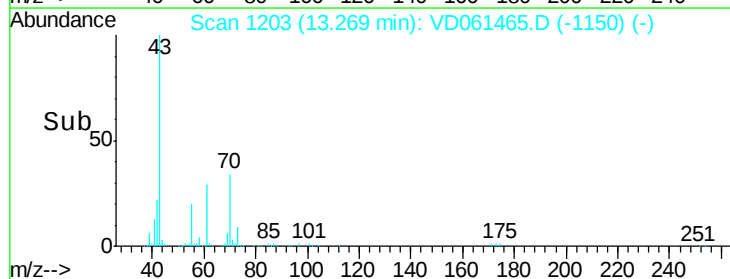
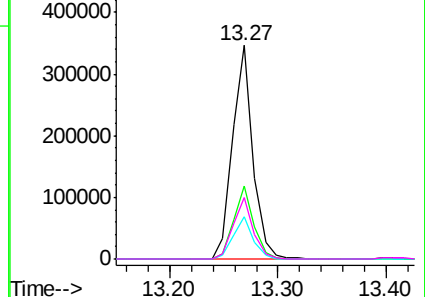


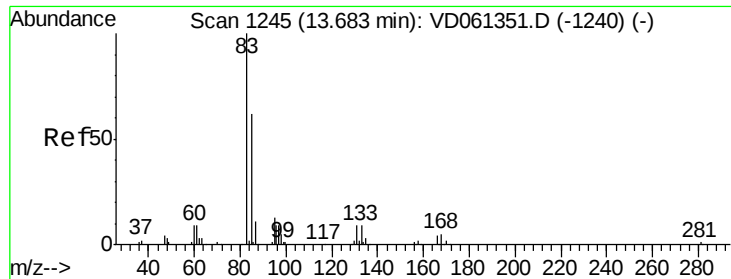
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.073 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

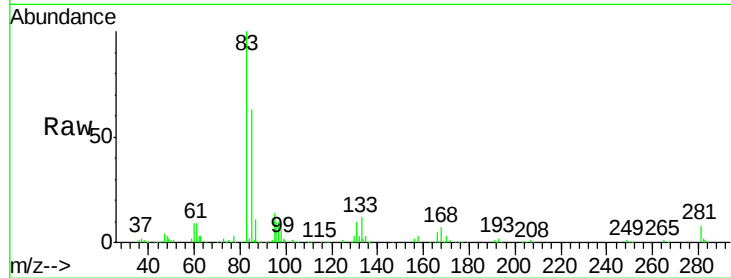
Tot Ion: 83 Resp: 315915

Ion Ratio Lower Upper

83 100

131 10.1 4.3 13.1

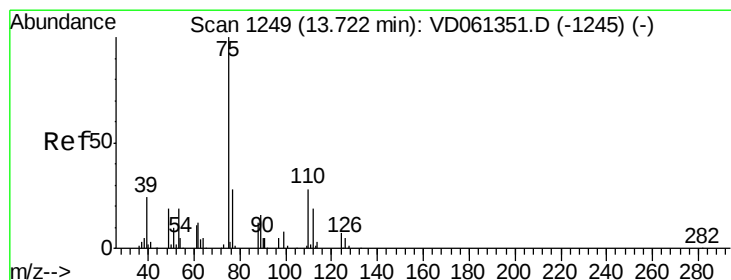
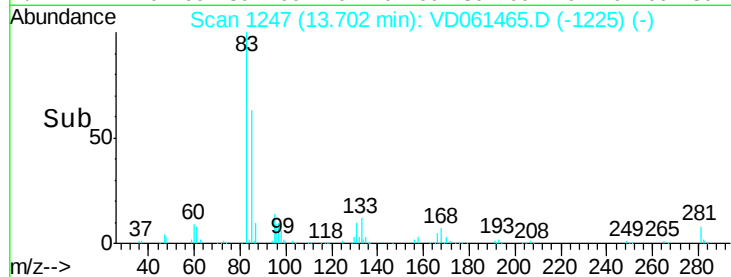
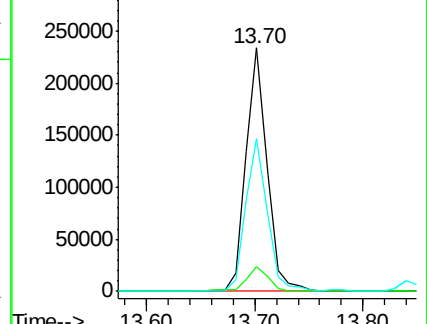
85 62.6 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 46.505 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061465.D

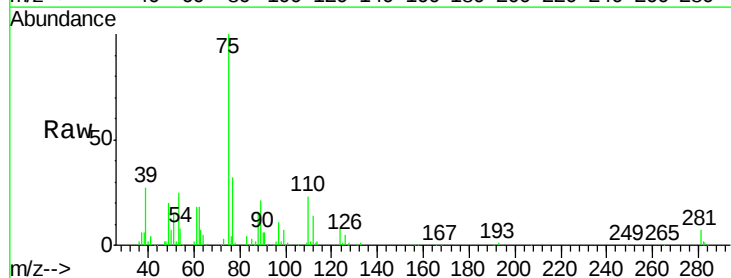
Acq: 1 Apr 2019 13:17

Tgt Ion: 75 Resp: 313736

Ion Ratio Lower Upper

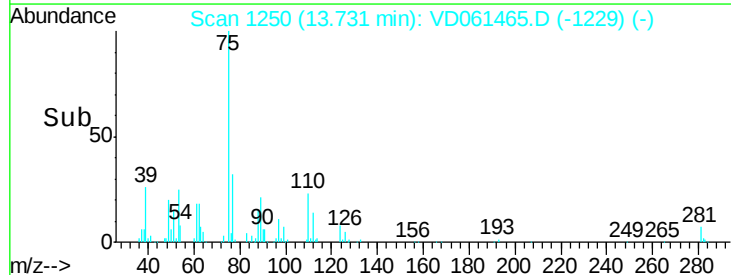
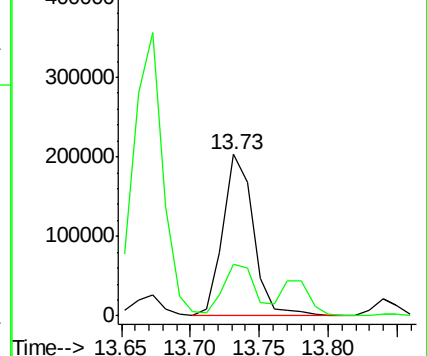
75 100

77 32.0 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 44.487 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

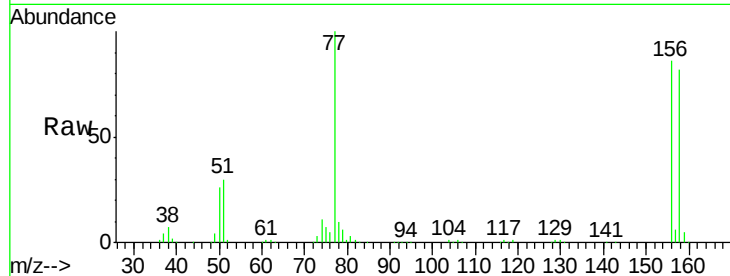
Tot Ion:156 Resp: 428683

Ion Ratio Lower Upper

156 100

77 115.8 68.5 205.6

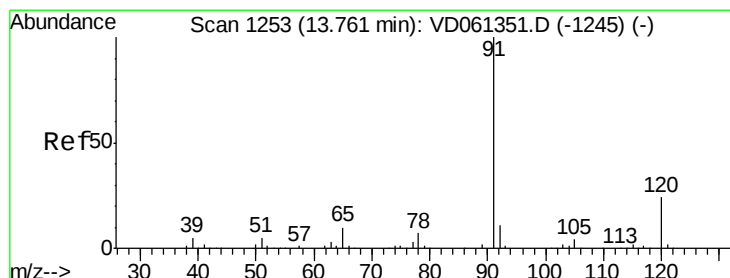
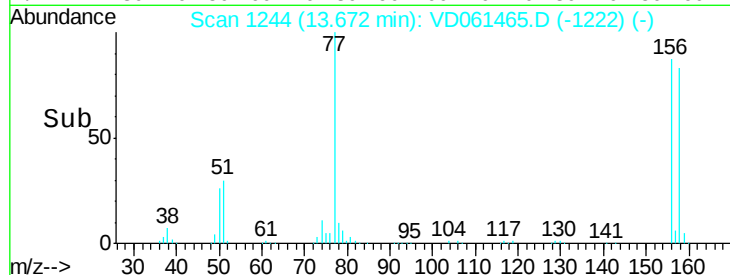
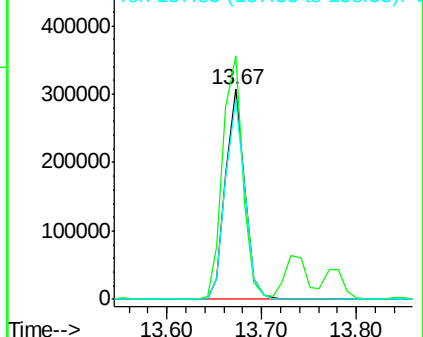
158 95.3 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.626 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061465.D

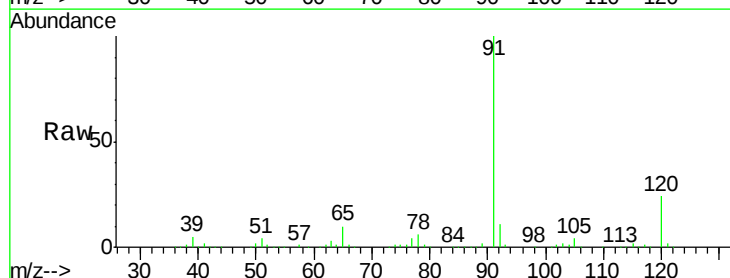
Acq: 1 Apr 2019 13:17

Tgt Ion: 91 Resp: 1894465

Ion Ratio Lower Upper

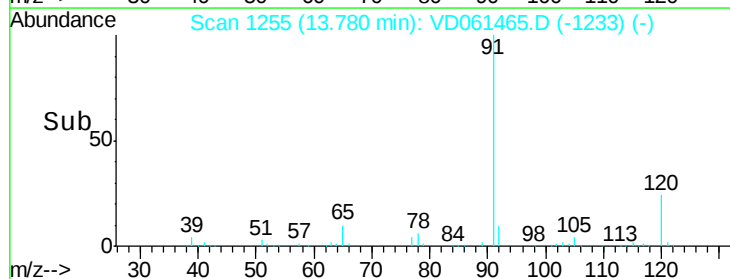
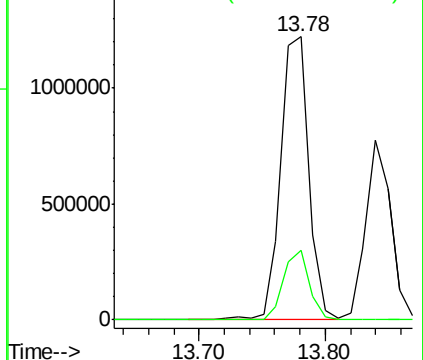
91 100

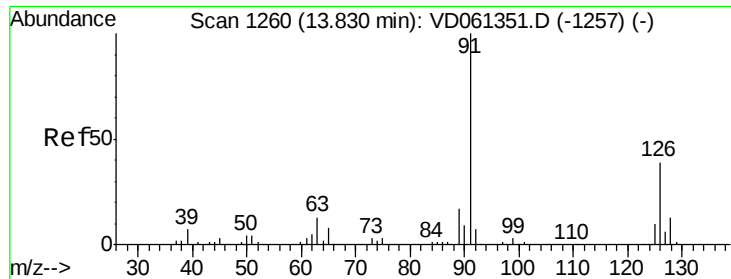
120 24.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 49.678 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

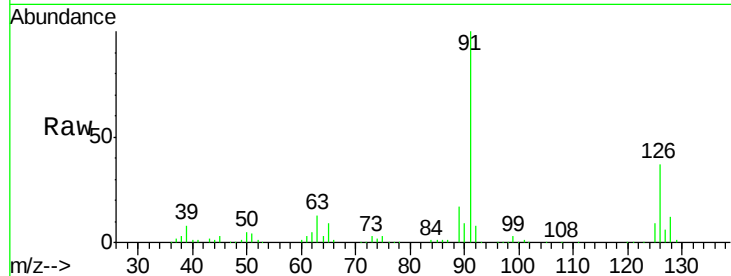
ClientSampleId :

Tot Ion: 91 Resp: 1072960

Ion Ratio Lower Upper

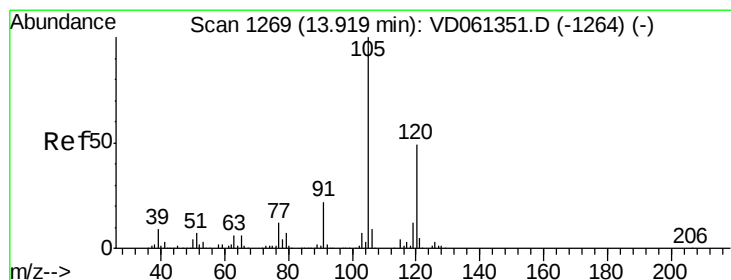
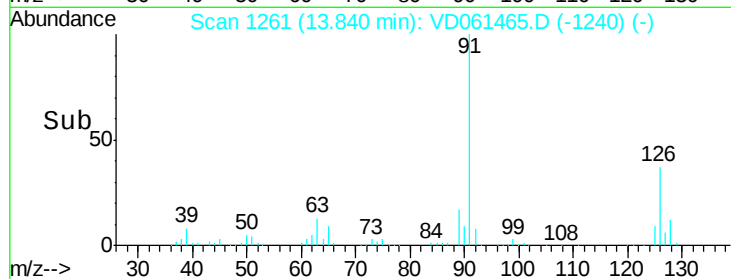
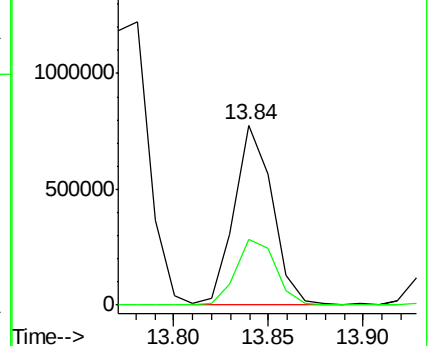
91 100

126 36.9 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 53.269 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.02 min

Lab File: VD061465.D

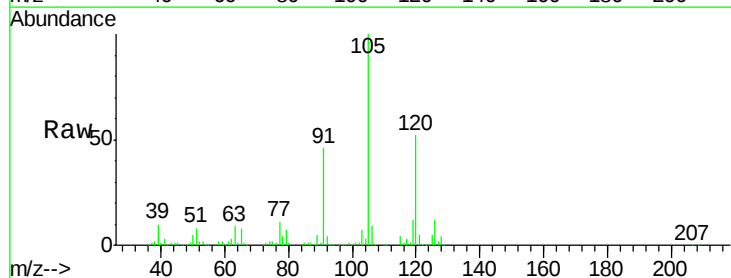
Acq: 1 Apr 2019 13:17

Tgt Ion:105 Resp: 1343437

Ion Ratio Lower Upper

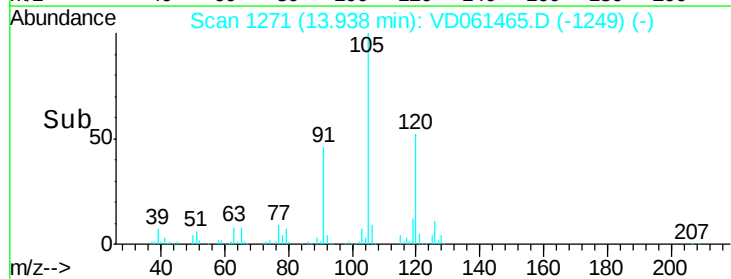
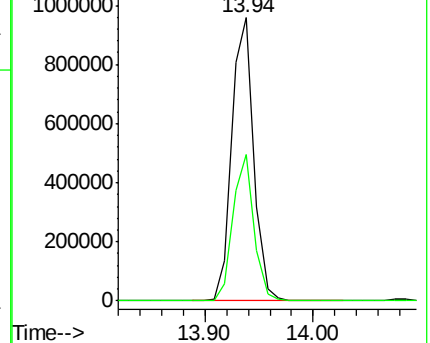
105 100

120 51.5 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.834 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

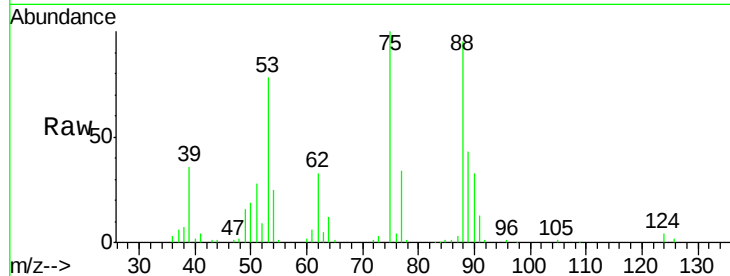
Tot Ion: 75 Resp: 114847

Ion Ratio Lower Upper

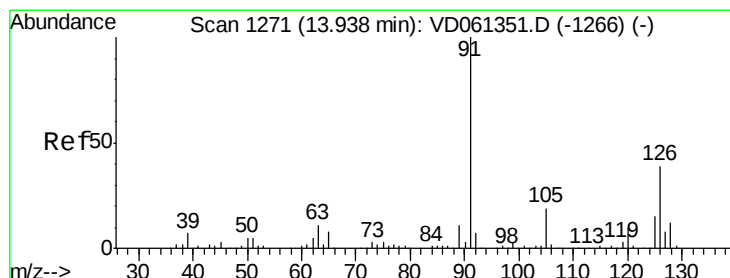
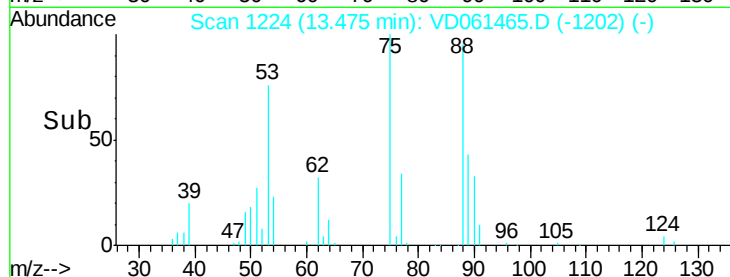
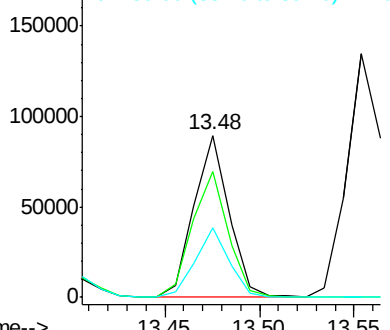
75 100

53 78.0 63.8 95.8

89 42.8 30.5 45.7



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 49.955 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061465.D

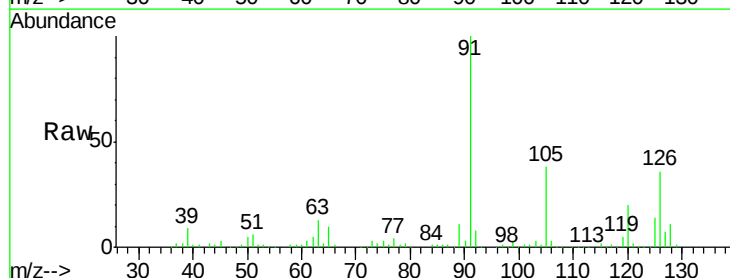
Acq: 1 Apr 2019 13:17

Tgt Ion: 91 Resp: 1173174

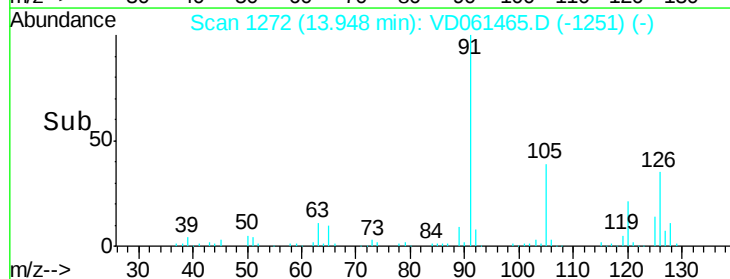
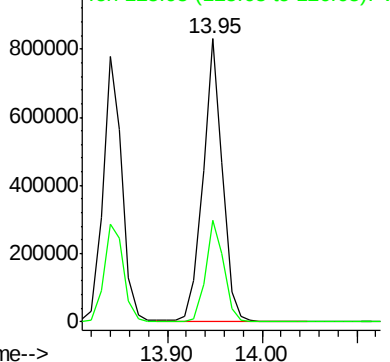
Ion Ratio Lower Upper

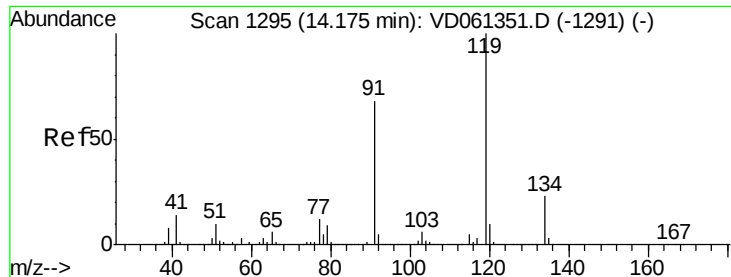
91 100

126 35.7 19.6 58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

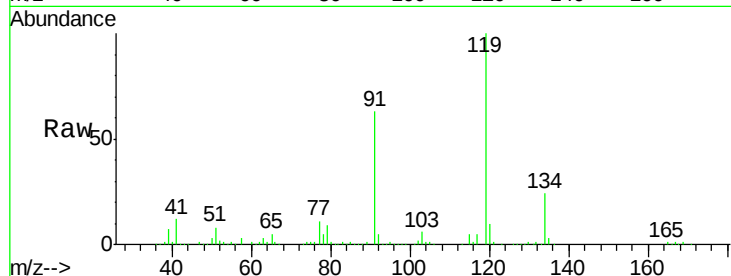




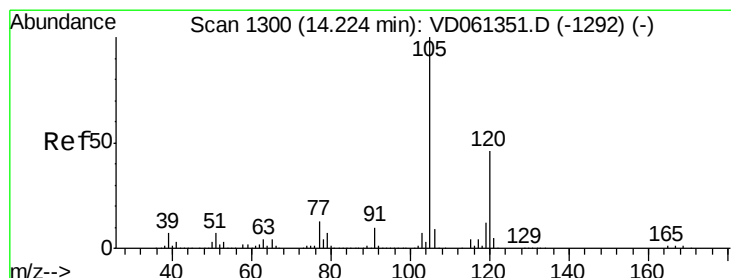
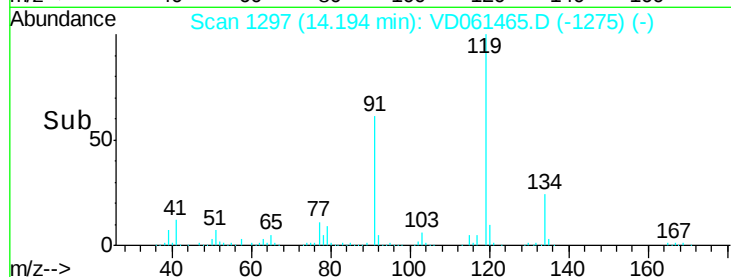
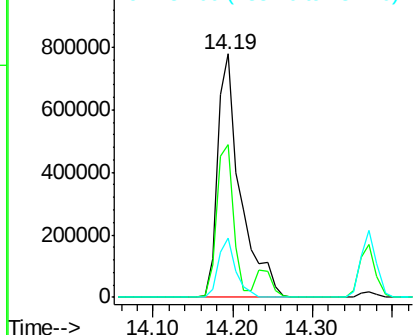
#83
tert-Butylbenzene
Concen: 49.819 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1570169
Ion Ratio Lower Upper
119 100
91 62.5 34.1 102.3
134 24.3 11.6 34.8

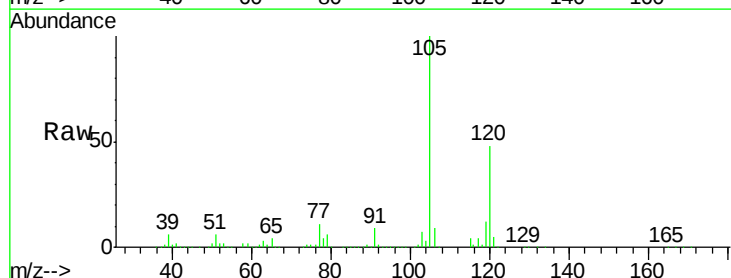


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

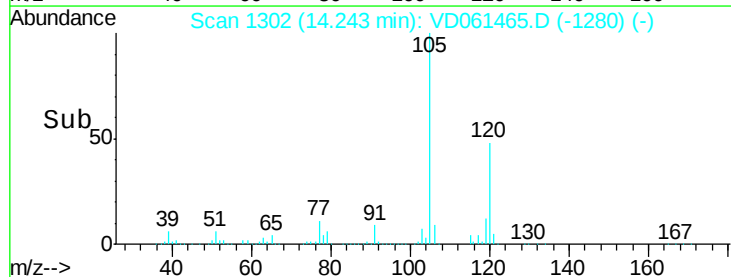
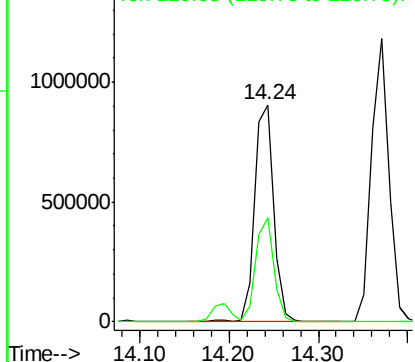


#84
1,2,4-Trimethylbenzene
Concen: 48.542 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion:105 Resp: 1325356
Ion Ratio Lower Upper
105 100
120 48.0 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

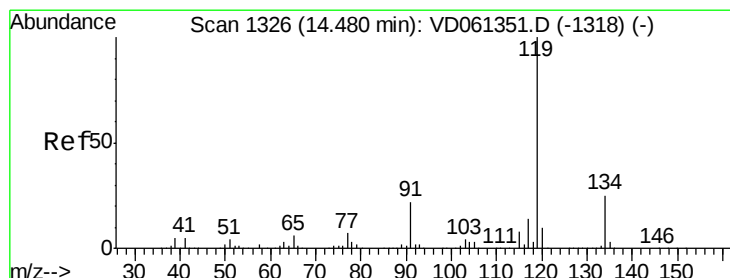
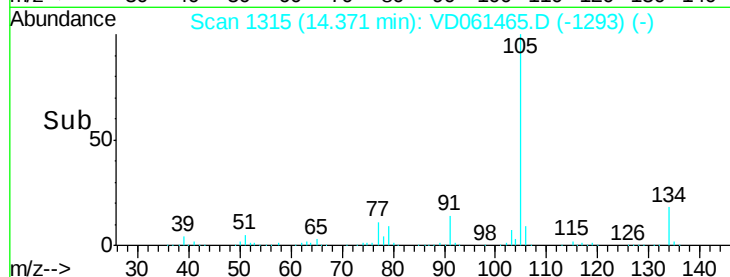
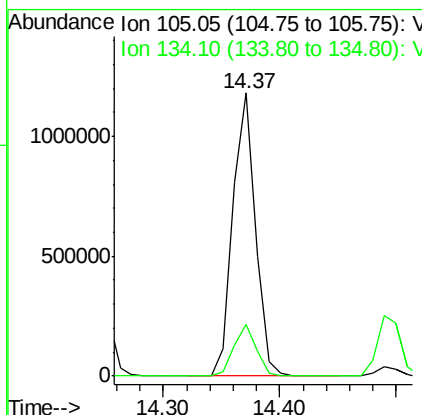
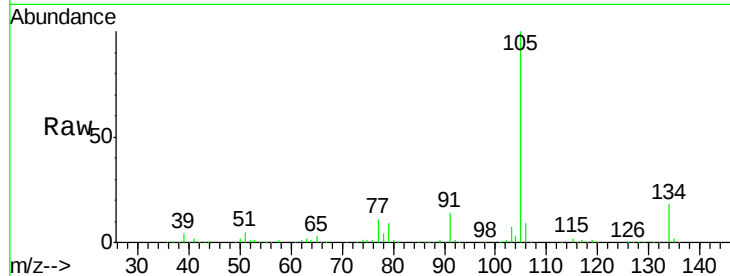




#85
 sec-Butylbenzene
 Concen: 47.281 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

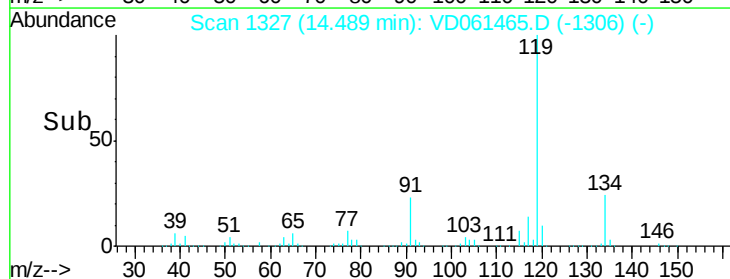
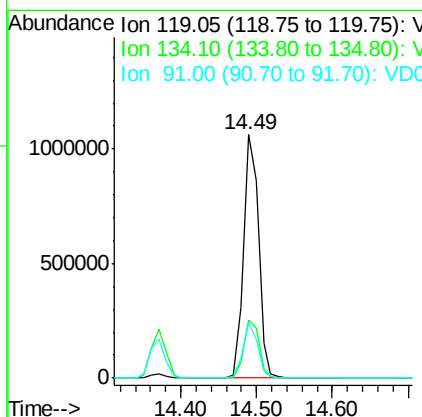
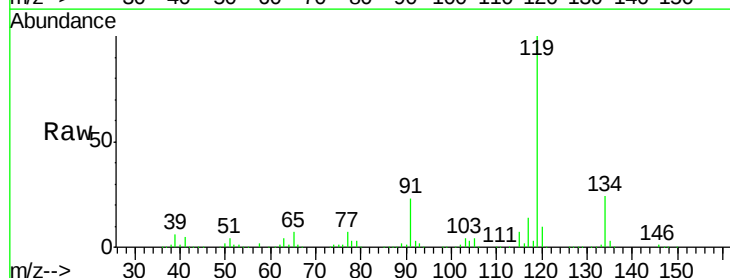
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 1583096
 Ion Ratio Lower Upper
 105 100
 134 18.3 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 50.812 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion:119 Resp: 1438638
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.3 36.8
 91 22.8 11.1 33.1

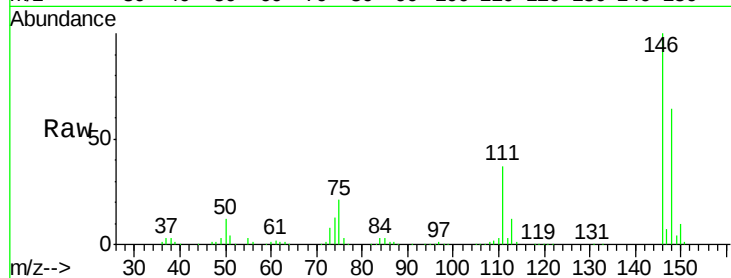




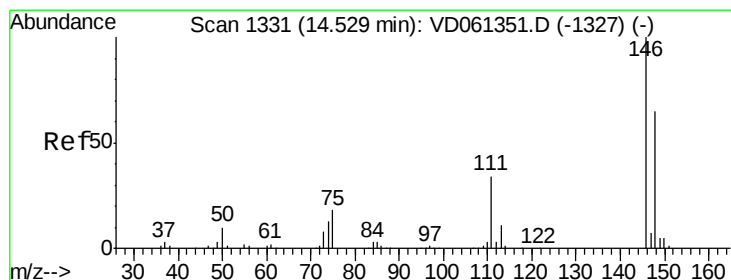
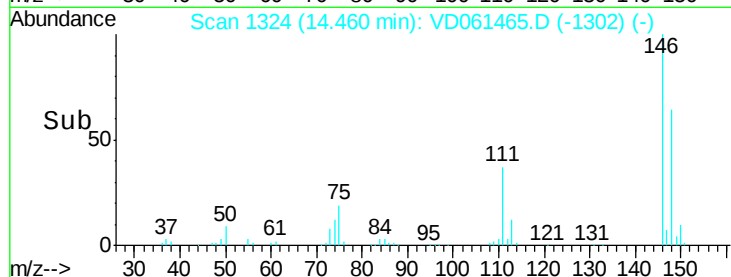
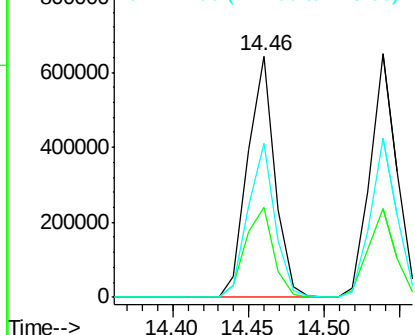
#87
 1,3-Dichlorobenzene
 Concen: 49.448 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 806880
 Ion Ratio Lower Upper
 146 100
 111 37.1 20.6 61.9
 148 63.7 31.1 93.3

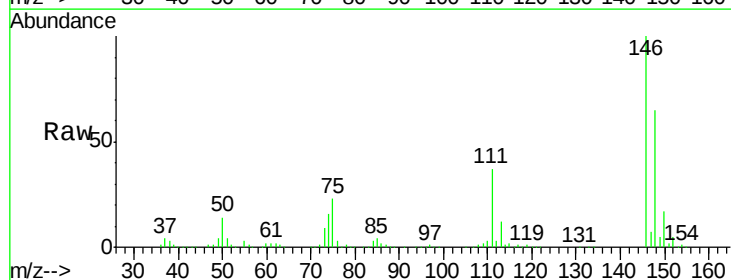


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

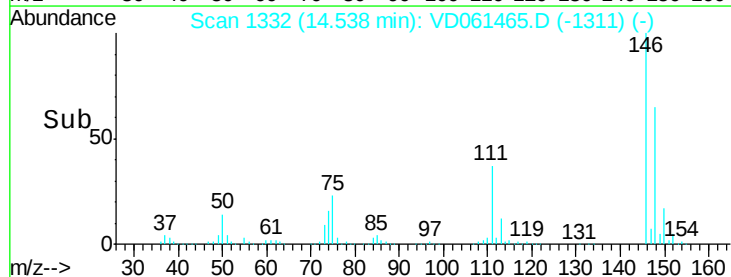
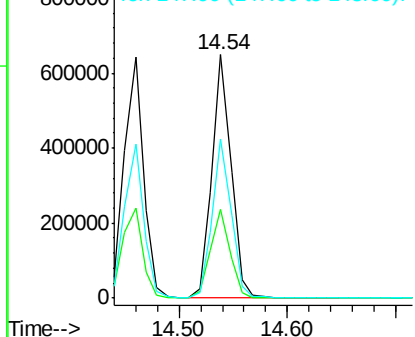


#88
 1,4-Dichlorobenzene
 Concen: 50.250 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion:146 Resp: 799636
 Ion Ratio Lower Upper
 146 100
 111 36.6 16.8 50.4
 148 65.3 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

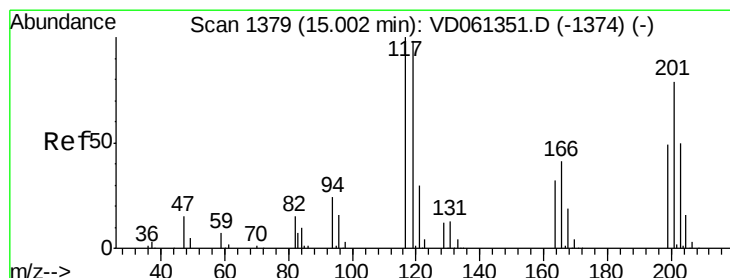
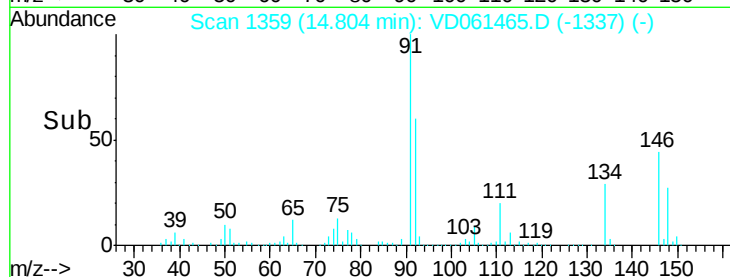
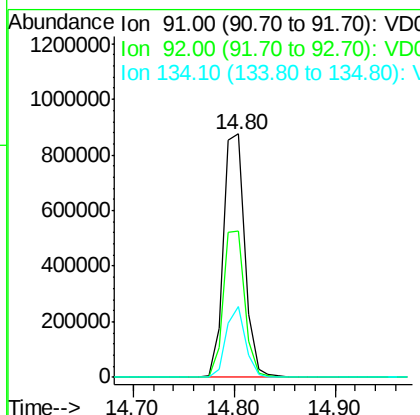
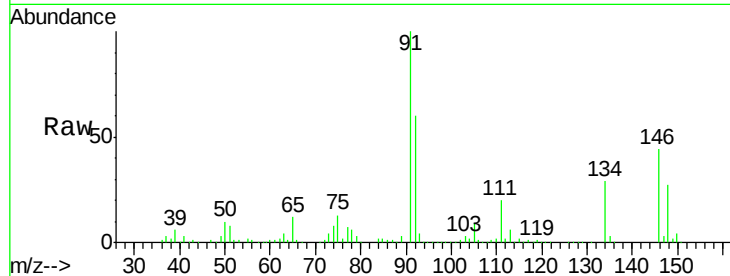




#89
n-Butylbenzene
Concen: 49.746 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

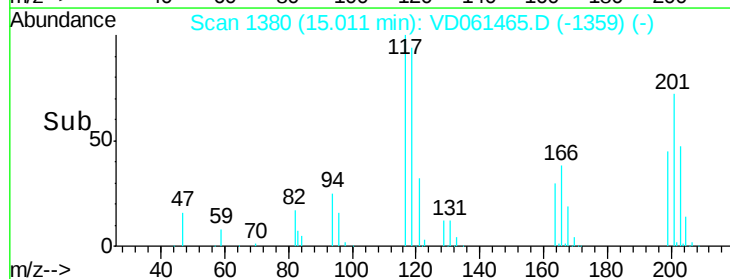
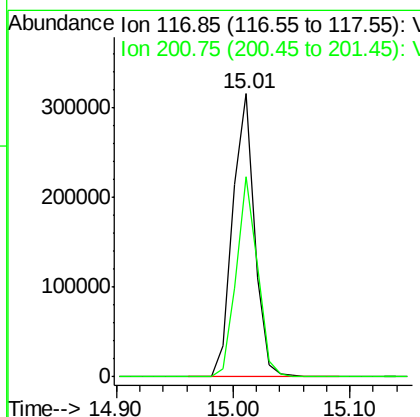
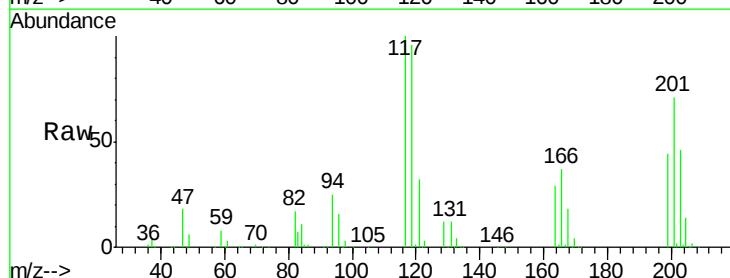
Instrument :
MSVOA_D
ClientSampleId :

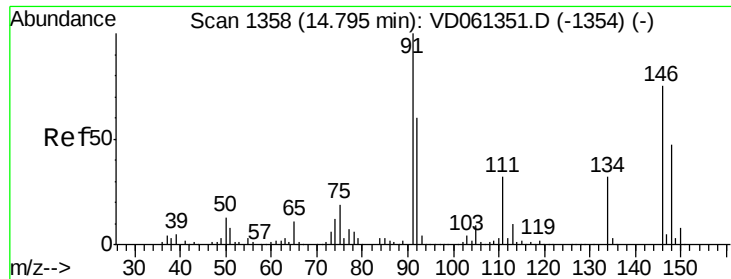
Tot Ion: 91 Resp: 1292736
Ion Ratio Lower Upper
91 100
92 60.1 30.3 91.0
134 29.3 12.4 37.0



#90
Hexachloroethane
Concen: 51.459 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061465.D
Acq: 1 Apr 2019 13:17

Tgt Ion: 117 Resp: 411599
Ion Ratio Lower Upper
117 100
201 70.5 39.6 119.0

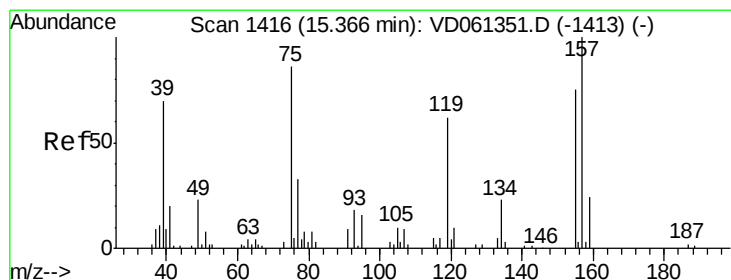
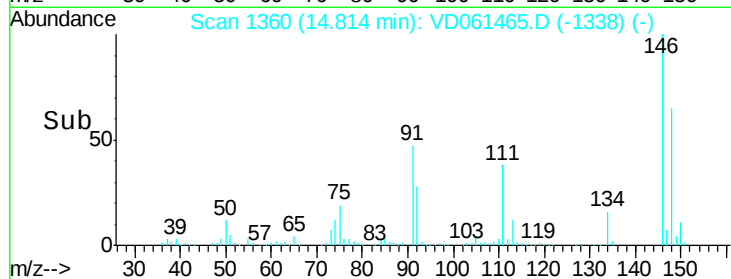
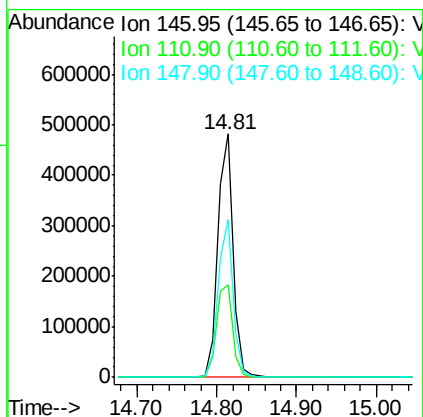
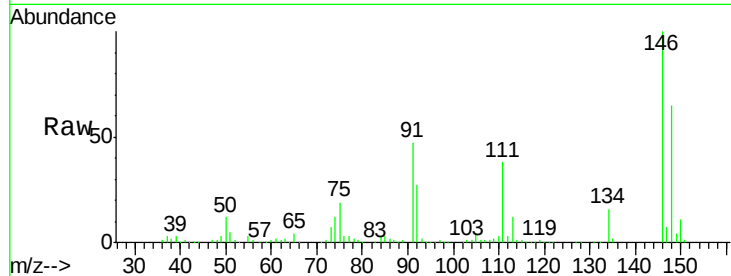




#91
 1,2-Dichlorobenzene
 Concen: 48.779 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

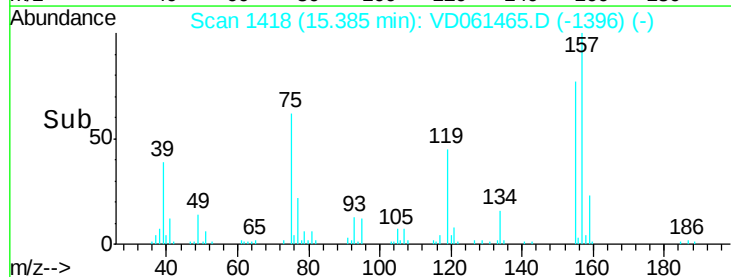
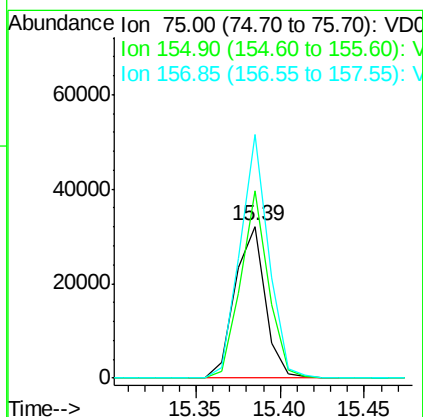
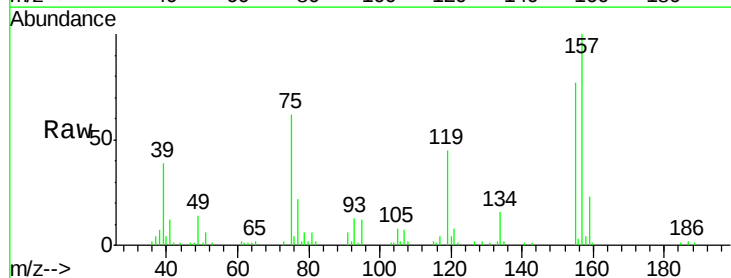
Instrument :
 MSVOA_D
 ClientSampleId :

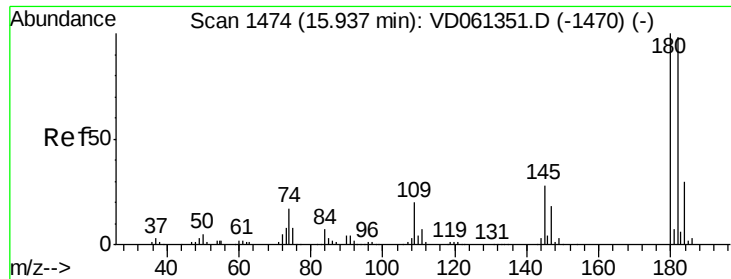
Tot Ion:146 Resp: 652895
 Ion Ratio Lower Upper
 146 100
 111 38.1 21.2 63.6
 148 64.7 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.806 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion: 75 Resp: 40054
 Ion Ratio Lower Upper
 75 100
 155 123.6 43.6 130.9
 157 160.6 58.5 175.3

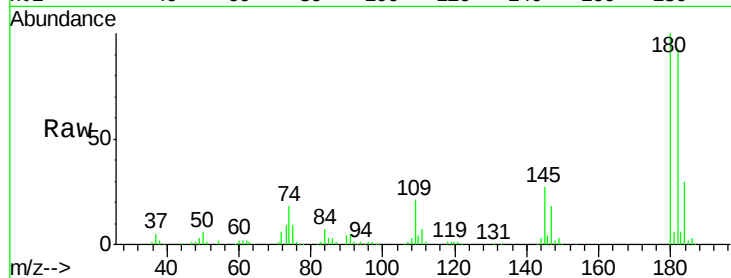




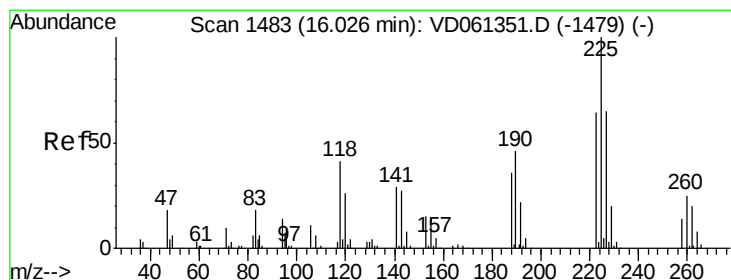
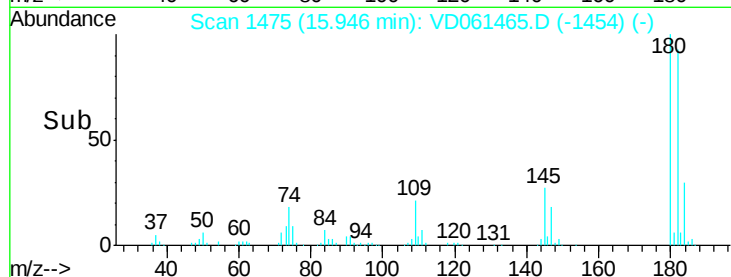
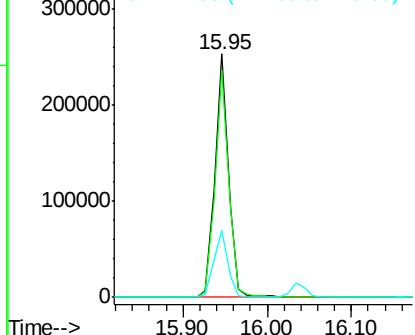
#93
 1,2,4-Trichlorobenzene
 Concen: 46.821 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 285479
 Ion Ratio Lower Upper
 180 100
 182 93.2 48.9 146.8
 145 27.3 14.1 42.3

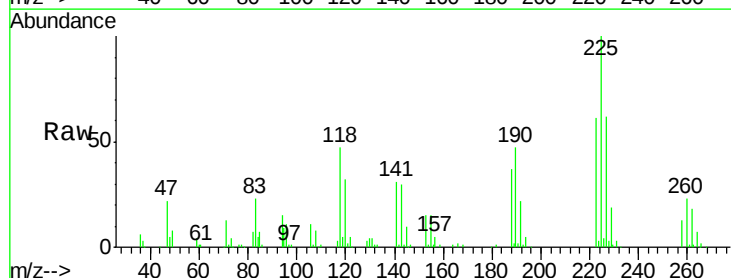


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

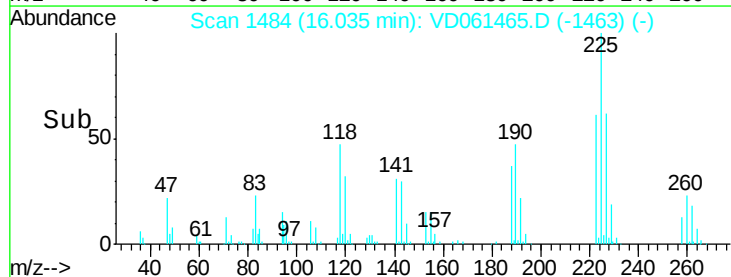
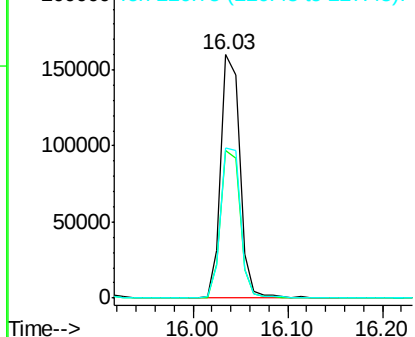


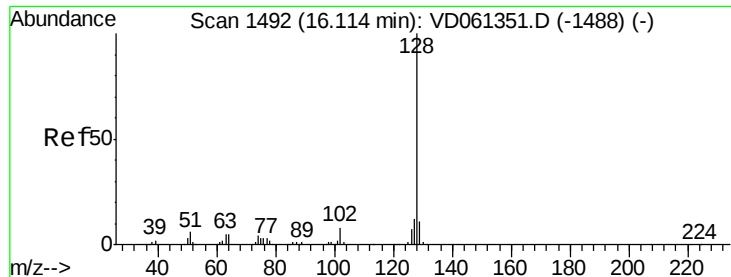
#94
 Hexachlorobutadiene
 Concen: 47.098 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061465.D
 Acq: 1 Apr 2019 13:17

Tgt Ion:225 Resp: 224396
 Ion Ratio Lower Upper
 225 100
 223 60.5 32.0 96.0
 227 61.8 32.4 97.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 44.199 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

Instrument :

MSVOA_D

ClientSampleId :

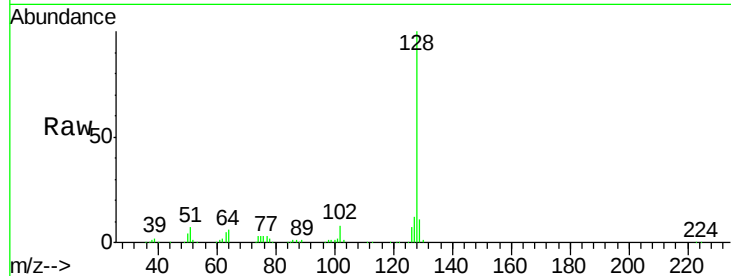
Tot Ion:128 Resp: 410770

Ion Ratio Lower Upper

128 100

127 11.9 9.9 14.9

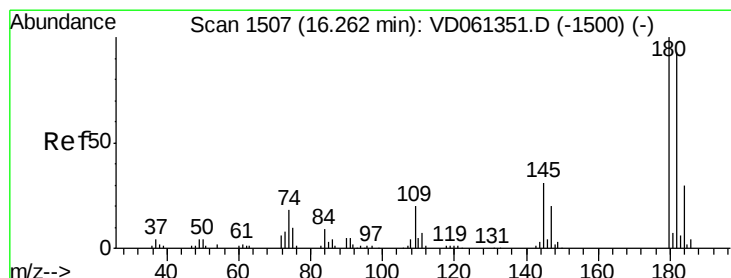
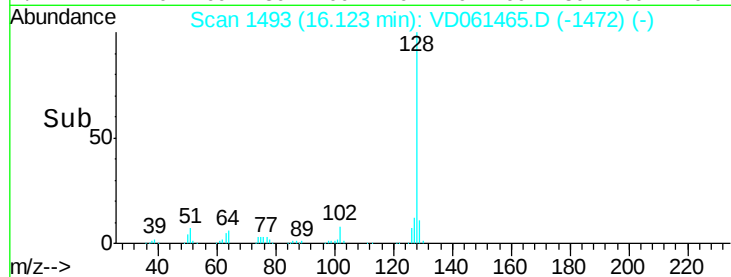
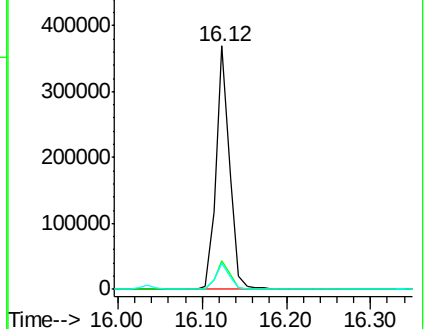
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 43.767 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD061465.D

Acq: 1 Apr 2019 13:17

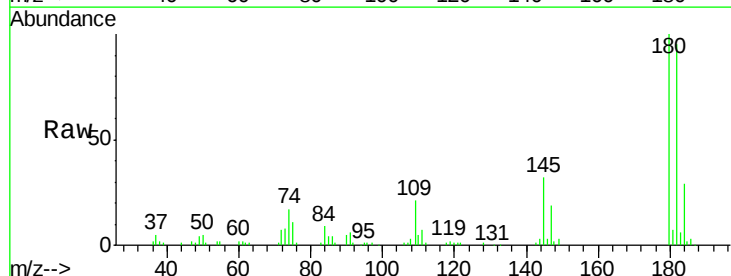
Tgt Ion:180 Resp: 117429

Ion Ratio Lower Upper

180 100

182 95.3 46.4 139.1

145 31.6 15.3 45.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

